

Fujitsu Accessibility Assistance

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FUJITSU's Universal Design

Supporting your life

FACT-V “Automatic Teller Mashines”

“RAKU RAKU Phone” Mobile Phone

“DESKPOWER and BIBLO” PC for Consumer

Improved “accessibility” to information

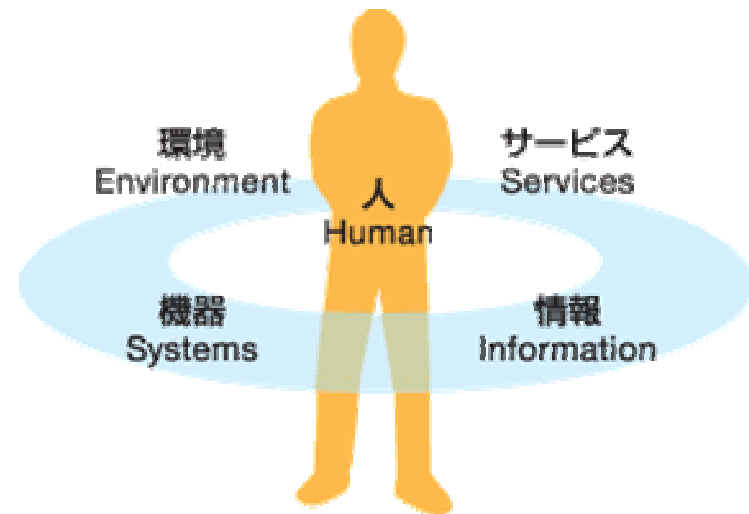
FUJITSU WEB Accessibility Guidelines

Fujitsu Accessibility Assistance

New “Work Style” utilizing IT

FUJITSU Solution Square

Safety solutions



Customer-focused design

Cellular phone Products: FOMA Raku Raku Phone



Fujitsu's UD cellular phone,
"FOMA Raku Raku Phone."



FUJITSU

Approach to improve Cellular phone

Experience design for
higher-level usability and
accessibility



Comprehensible
Blinking button

When the phone rings, the
button blinks on and off.



Simple
One-touch-dialing button

Only by pushing the One-
touch-dialing button, you can
telephone easily to the
registered number.

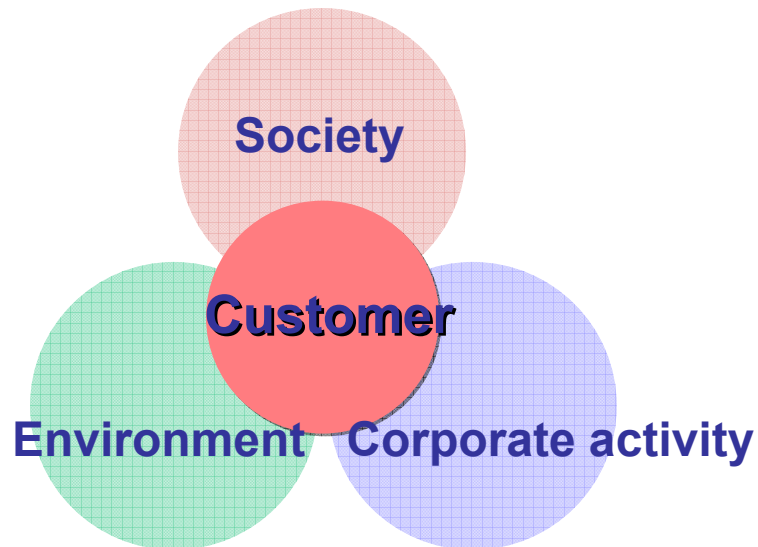
Easily viewable
Large button

PC Products: FMV series

CONCEPT

Thoughtful Design:

Product development by well-balanced consideration to “Society, Corporate activity, Environment” with customer-centered vision



Approach to improve PC experience

■ Improved usability by meticulous detail



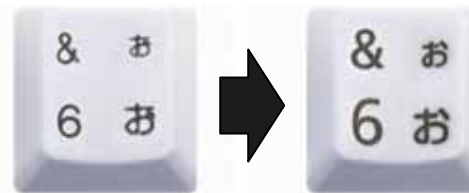
Opening and shutting smoothly at the flip of a switch



Launching often-used software directly at one touch of a button



Pointing operation easier by large touch-pad



Old model

New model

High level of visibility by large, high contrast printing, and easily viewable font



Comfortable typing by well-calibrated cylindrical surface of the key top



Connecting to PC easily at a glance by color-coded terminal

CONCEPT

- 1.To make a standard model that includes accessibility for physically disabled people.
- 2.To make a comfortable design for all users that comes close to the Universal-design concept.
- 3.To realize cost reduction through standard sizing and easy replacement.
- 4.To improve usability



FACT-V

Approach to improve ATM experience

■ Improved usability for the blind



Low-position of the key pad

Self-winding reel and receiver that curves inward

Universal joint

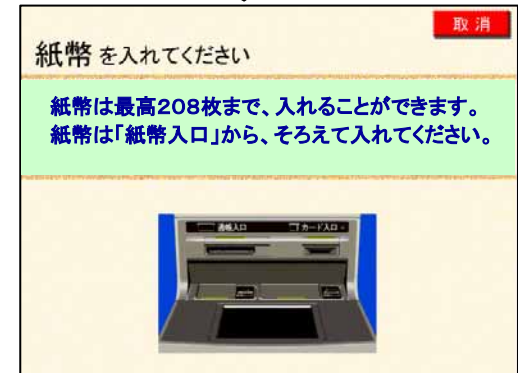


■ Improved accessibility for wheelchair users



The machine's round shape makes it easier to approach.

■ Switching screen guidance for novices



People weak to vision information

(in JAPAN)

Vision disabilities : 300,000 people
(Blindness 130,000. Weak-sighted 170,000)

Cataracts : 9,000,000 people
(Among people aged 70 and over, 80% have
cataracts, including those with mild cases)

Color deficient vision : 3,000,000 people
(5% of man, 0.2% of women)

There are so many Web pages which are hard to read for them.

- **Fujitsu Web Accessibility Guidelines**
- **Fujitsu Accessibility Assistance**

Fujitsu Web Accessibility Guidelines

Fujitsu Web Accessibility Guidelines based on W3C WCAG1.0 and JIS X8341-3 Common Guidelines for Web Contents.

Fujitsu Web Accessibility Guidelines 2.0

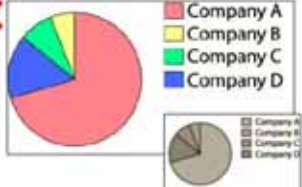
1st Priority Fujitsu Web Accessibility Guidelines **General**

(4) Go beyond color shading. Use a combination of text and pattern to highlight information.

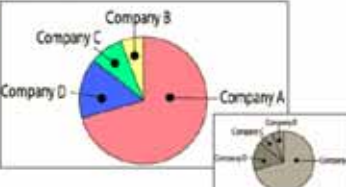
Explanation
Persons with certain color perception conditions as well as the elderly (those whose vision is affected by changes associated with aging) can have trouble distinguishing colors.

Example and Implementation
Ensure information can be identified by utilizing appearance and text rather than just color.

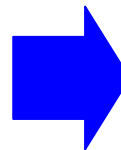
Bad example: identifying segments of a pie chart with color only



Good example: highlighting differences in segments using pointers



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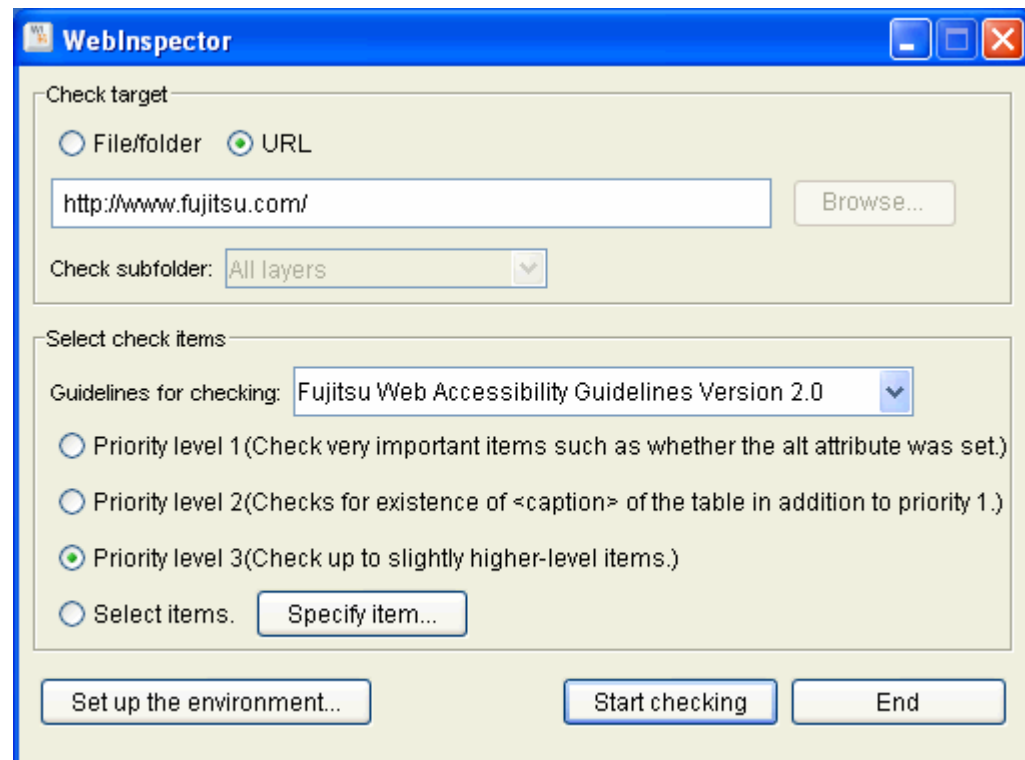
Fujitsu Corporate site



WebInspector



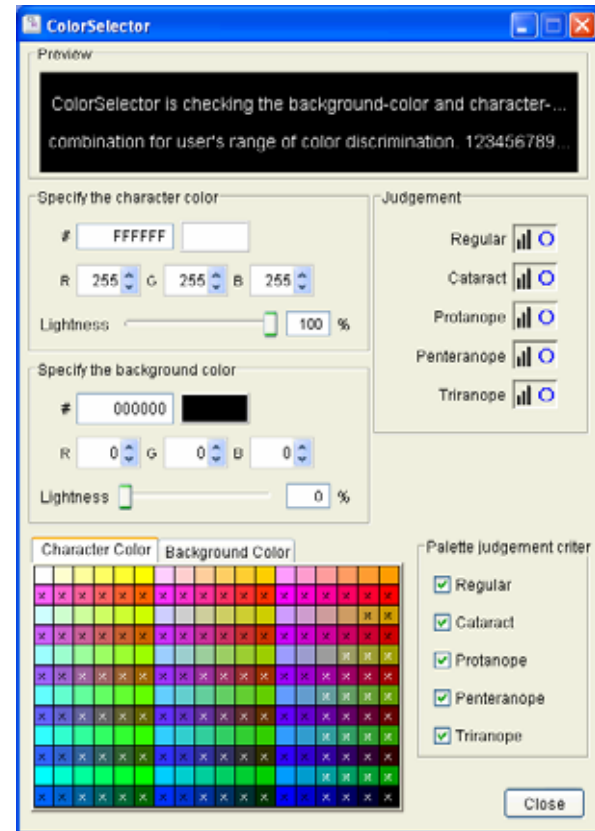
WebInspector can check the accessibility of a website automatically and efficiently on W3C WCAG1.0 and Fujitsu Web Accessibility Guidelines .

A screenshot of the WebInspector application window. The window has a blue title bar with the text 'WebInspector' and standard window controls. The main area is divided into two sections. The top section, 'Check target', has two radio buttons: 'File/folder' and 'URL'. The 'URL' button is selected. Below the radio buttons is a text input field containing 'http://www.fujitsu.com/' and a 'Browse...' button. Below the text field is a 'Check subfolder:' label and a dropdown menu showing 'All layers'. The bottom section, 'Select check items', has a 'Guidelines for checking:' label and a dropdown menu showing 'Fujitsu Web Accessibility Guidelines Version 2.0'. Below this are four radio buttons: 'Priority level 1 (Check very important items such as whether the alt attribute was set.)', 'Priority level 2 (Checks for existence of <caption> of the table in addition to priority 1.)', 'Priority level 3 (Check up to slightly higher-level items.)', and 'Select items.'. The 'Priority level 3' button is selected. Below the radio buttons is a 'Specify item...' button. At the bottom of the window are three buttons: 'Set up the environment...', 'Start checking', and 'End'.

ColorSelector



ColorSelector can check the background-color and character-color combination for user's range of color discrimination.

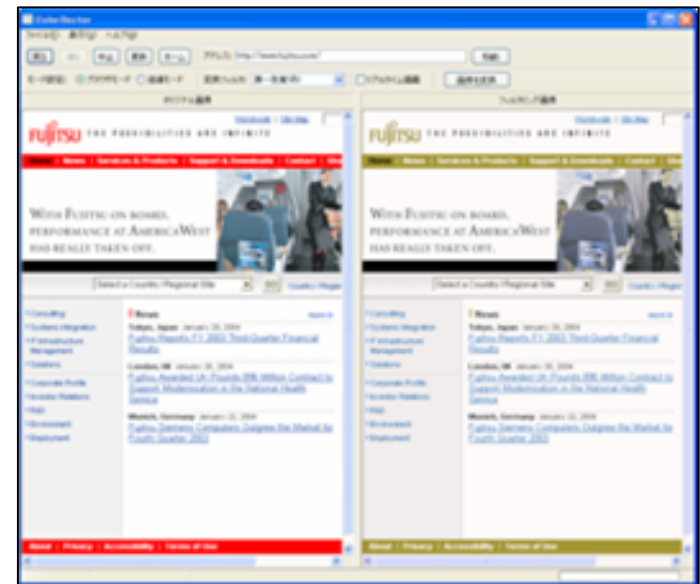


ColorDoctor



Even allows you to check accessibility for movies or presentations.

ColorDoctor is a tool that checks accessibility from the aspect of color. It converts any images displayed on screen such as browsers or Microsoft PowerPoint presentations into gray scale or colors that persons with color vision deficiency can see.






Everybody can use these software without charge.

Download site <http://design.fujitsu.com/en/universal/assistance/>

The number of download exceeded 50,000.

English version will release at 2004.12 on FUJITSU Web site


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