

Converting Colors

CIELCh(51, 36.452, 45.578)

Have a look what the booklet for
CIELCh(51, 36.452, 45.578) contains.

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Color

CIELCh(51, 36.452, 45.578)

Conversions

Conversions Part 1

Format	Color
Hex	AD674E
RGB	173, 103, 78
RGB Percent	68%, 40%, 31%
CMY	0.3198, 0.5945, 0.6927
CMYK	0.00, 0.40, 0.55, 0.32
HSL	16°, 38%, 49%
HSV	16°, 55%, 68%
XYZ	23.6098, 19.2686, 9.7520
YIQ	121.0800, 49.7450, 7.0650

Conversions

Conversions Part 2

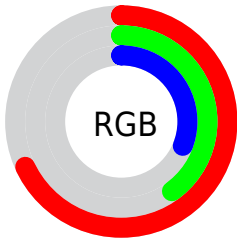
Format	Color
R_{YB}	173, 112, 78
Decimal	11364174
CIE Lab	51.00, 25.51, 26.03
CIE LCh	51, 36.452, 45.578
Yxy	19.2686, 0.4486, 0.3661
Android (android.graphics.Color)	4289554254 (0xFFAD674E)
YUV	121.0800, -21.2384, 45.5338
Hunter-Lab	43.8960, 19.1893, 17.5553

Details

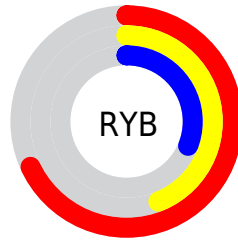
The CIELCh color **51, 36.452, 45.578** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **58, 24.761, 233.281**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 36.418, 46.141**, and **31, 36.405, 45.771** is the 20% darker color. If you saturate the color by 10%, you get **48, 44.674, 45.756**, and if you desaturate by 10%, it is **54, 28.671, 45.560**.

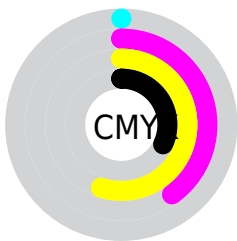
Distribution



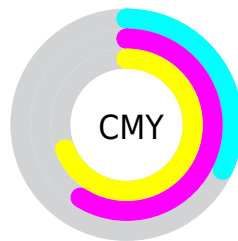
- Red (68%)
- Green (40%)
- Blue (31%)



- Red (68%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (32%)



- Cyan (32%)
- Magenta (59%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 36.452, 45.578 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 51, 36.452, 45.578 by changing the saturation by 10% instead.

■ 51, 36.452, 45.578

■ 51, 36.452, 45.578

■ 100, 36.452,
45.578

■ 41, 36.452, 45.578

■ 71, 36.452, 45.578

■ 31, 36.452, 45.578

■ 81, 36.452, 45.578

■ 21, 36.452, 45.578

■ 91, 36.452, 45.578

■ 11, 36.452, 45.578

■ 1, 36.452, 45.578

■ 0, 36.452, 45.578

■ 51, 36.452, 45.578

■ 51, 36.452, 45.578

■ 48, 44.674, 45.756

■ 54, 28.671, 45.560

■ 45, 53.151, 46.031

■ 58, 21.404, 45.688

42, 61.441, 46.235

62, 14.659, 45.941

40, 68.607, 45.942

65, 8.413, 46.286

39, 72.065, 45.923

69, 2.630, 46.612

73, 2.735, 227.468

77, 7.726, 227.904

81, 12.388,
228.453

85, 16.760,
229.029

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51, 36.452, 45.578



58, 24.761, 233.281

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51, 36.452, 45.578



51, 36.452, 95.578



51, 36.452, 225.578



51, 36.452, 275.578

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51, 36.451, 45.582



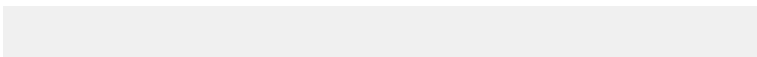
82, 11.267, 46.232



48, 52.202, 336.284



42, 7.657, 46.160



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 36.451, 45.582



61, 56.522, 45.814



63, 40.456, 90.428



35, 3.146, 46.490



34, 64.570, 46.228



3, 6.562, 41.189

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58, 24.761, 233.281



71, 34.498, 236.256



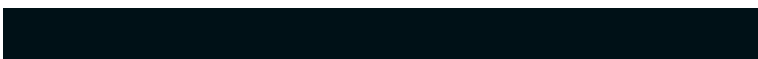
45, 42.736, 286.943



35, 2.985, 227.655



44, 31.189, 248.104



4, 6.398, 237.561

Previews

White Background



This preview shows how the CIELCh color 51, 36.452, 45.578 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 36.452, 45.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

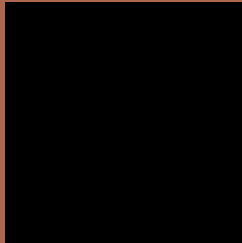
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 36.452, 45.578

Background



This preview shows how black text looks on a background with the CIELCh color 51, 36.452, 45.578.



This preview shows how white text looks on a background with the CIELCh color 51, 36.452, 45.578.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51, 36.452, 45.578

Protanopia

51, 21.223, 95.336

Deuteranopia

51, 27.510, 75.726



Tritanopia
51, 32.361, 16.734

Trichromacy



Original Color
51, 36.452, 45.578

Protanomaly
51, 23.920, 70.128

Deuteranomaly
51, 29.682, 61.601

Tritanomaly
51, 32.574, 27.469

Monochromacy



Original Color
51, 36.452, 45.578

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 12.293, 48.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 36.452, 45.578 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(173, 103, 78)` looks like.

```
.text, #text, p{  
    color:rgb(173, 103, 78)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(173, 103, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 103, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 36.452, 45.578 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 103, 78) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(173, 103, 78) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(173, 103, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 103, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 103, 78);  
box-shadow:4px 4px 4px 4px rgb(173, 103,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 36.452, 45.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 103, 78) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(173,  
103, 78) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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