

Converting Colors

CIELCh(52, 51.097, 63.147)

Have a look what the booklet for
CIELCh(52, 51.097, 63.147) contains.

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Color

CIELCh(52, 51.168, 63.092)

Conversions

Conversions Part 1

Format	Color
Hex	B26B2C
RGB	178, 107, 44
RGB Percent	70%, 42%, 17%
CMY	0.3022, 0.5806, 0.8276
CMYK	0.00, 0.40, 0.75, 0.30
HSL	28°, 60%, 44%
HSV	28°, 75%, 70%
XYZ	24.0526, 20.1443, 4.9986
YIQ	121.0470, 62.5390, -4.5410

Conversions

Conversions Part 2

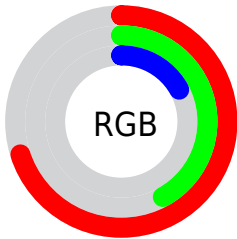
Format	Color
R_{YB}	178, 163, 44
Decimal	11692844
CIE _{Lab}	52.00, 23.16, 45.63
CIE _{LCh}	52, 51.168, 63.092
Y _{xy}	20.1443, 0.4889, 0.4095
Android (android.graphics.Color)	4289882924 (0xFFB26B2C)
YUV	121.0470, -37.9842, 49.9478
Hunter-Lab	44.8824, 17.1141, 24.8145

Details

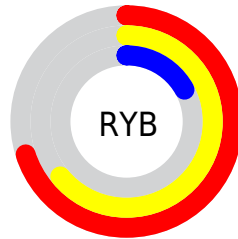
The CIELCh color **52, 51.168, 63.092** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **47, 39.719, 269.903**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 51.348, 63.357**, and **32, 48.587, 61.429** is the 20% darker color. If you saturate the color by 10%, you get **50, 58.030, 61.505**, and if you desaturate by 10%, it is **54, 43.748, 64.409**.

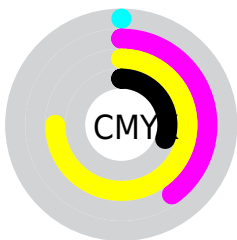
Distribution



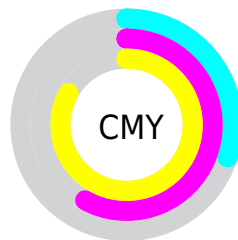
- Red (70%)
- Green (42%)
- Blue (17%)



- Red (70%)
- Yellow (64%)
- Blue (17%)



- Cyan (0%)
- Magenta (40%)
- Yellow (75%)
- Black (30%)



- Cyan (30%)
- Magenta (58%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 51.168, 63.092 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 52, 51.168, 63.092 by changing the saturation by 10% instead.

■ 52, 51.168, 63.092

■ 52, 51.168, 63.092

■ 100, 51.168,
63.092

■ 42, 51.168, 63.092

■ 72, 51.168, 63.092

■ 32, 51.168, 63.092

■ 82, 51.168, 63.092

■ 22, 51.168, 63.092

■ 92, 51.168, 63.092

■ 12, 51.168, 63.092

■ 2, 51.168, 63.092

■ 0, 51.168, 63.092

■ 52, 51.168, 63.092

■ 52, 51.168, 63.092

■ 50, 58.030, 61.505

■ 54, 43.748, 64.409

■ 48, 63.507, 59.328

■ 57, 36.276, 65.617

47, 65.884, 58.317

60, 28.997, 66.794

62, 22.018, 67.968

65, 15.372, 69.141

68, 9.058, 70.304

71, 3.057, 71.396

74, 2.660, 252.799

77, 8.120, 253.835

Harmonies

Complementary

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



52, 51.168, 63.092



47, 39.719, 269.903

Rectangle

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



52, 51.168, 63.092



52, 51.168, 113.092



52, 51.168, 243.092



52, 51.168, 293.092

Sweetspot

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



52, 51.167, 63.095



84, 17.257, 69.364



42, 59.327, 351.377



44, 12.154, 68.944



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 51.167, 63.095



63, 75.232, 60.233



69, 63.710, 101.908



36, 3.310, 70.978



40, 58.775, 58.805



4, 7.529, 59.796

Inverse Universe

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



47, 39.719, 269.903



55, 58.018, 277.014



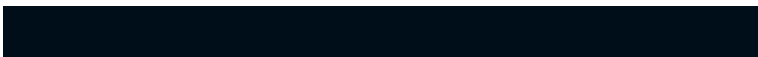
29, 80.680, 301.832



36, 3.226, 253.351



34, 45.802, 280.237



3, 8.576, 263.560

Previews

White Background



This preview shows how the CIELCh color 52, 51.168, 63.092 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 52, 51.168, 63.092 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 52, 51.168, 63.092

Background



This preview shows how black text looks on a background with the CIELCh color 52, 51.168, 63.092.



This preview shows how white text looks on a background with the CIELCh color 52, 51.168, 63.092.

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

52, 51.168, 63.092

Protanopia

52, 42.390, 95.796

Deuteranopia

52, 47.080, 81.528



Tritanopia
52, 34.869, 16.700

Trichromacy



Original Color
52, 51.168, 63.092

Protanomaly
52, 43.417, 82.125

Deuteranomaly
52, 48.093, 74.447

Tritanomaly
52, 37.359, 39.092

Monochromacy



Original Color
52, 51.168, 63.092

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 17.832, 68.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 51.168, 63.092 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(178, 107, 44)` looks like.

```
.text, #text, p{  
    color:rgb(178, 107, 44)  
}
```

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(178, 107, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 107, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 51.168, 63.092 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(178, 107, 44) }
```

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

```
.border{ border-color:rgb(178, 107, 44) }
```

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

Here you see how a box with a 4 pixel rgb(178, 107, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 107, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 107, 44);  
box-shadow:4px 4px 4px 4px rgb(178, 107,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 51.168, 63.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 107, 44) }
```

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

```
.background{ background-color: rgb(178,  
107, 44) }
```

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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