

Converting Colors

CIELCh(51, 63.542, 67.912)

Have a look what the booklet for
CIELCh(51, 63.542, 67.912) contains.

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Color

CIELCh(51, 63.391, 68.049)

Conversions

Conversions Part 1

Format	Color
Hex	B26800
RGB	178, 104, 0
RGB Percent	70%, 41%, 0%
CMY	0.3033, 0.5932, 1.0000
CMYK	0.00, 0.42, 1.00, 0.30
HSL	35°, 100%, 35%
HSV	35°, 100%, 70%
XYZ	23.2025, 19.2686, 2.4838
YIQ	114.2700, 77.4880, -16.6560

Conversions

Conversions Part 2

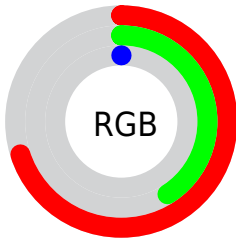
Format	Color
RYB	127, 178, 0
Decimal	11692032
CIELab	51.00, 23.70, 58.80
CIELCh	51, 63.391, 68.049
Yxy	19.2686, 0.5161, 0.4286
Android (android.graphics.Color)	4289882112 (0xFFB26800)
YUV	114.2700, -56.3351, 55.8912
Hunter-Lab	43.8960, 17.5332, 27.3723

Details

The CIELCh color **51, 63.391, 68.049** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **34, 64.520, 291.130**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 63.513, 68.437**, and **31, 48.633, 59.754** is the 20% darker color. If you saturate the color by 10%, you get **51, 63.306, 68.015**, and if you desaturate by 10%, it is **53, 59.550, 70.514**.

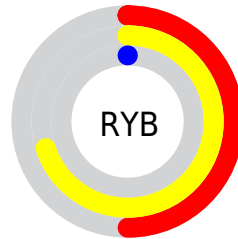
Distribution



Red (70%)

Green (41%)

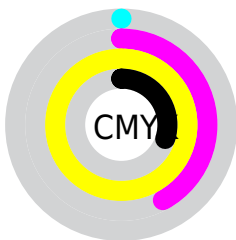
Blue (0%)



Red (50%)

Yellow (70%)

Blue (0%)

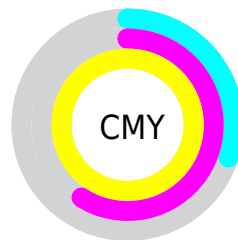


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 63.391, 68.049 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, 63.391, 68.049 by changing the saturation by 10% instead.

■ 51, 63.391, 68.049

■ 51, 63.391, 68.049

■ 100, 63.391,
68.049

■ 41, 63.391, 68.049

■ 71, 63.391, 68.049

■ 31, 63.391, 68.049

■ 81, 63.391, 68.049

■ 21, 63.391, 68.049

■ 91, 63.391, 68.049

■ 11, 63.391, 68.049

■ 1, 63.391, 68.049

■ 0, 63.391, 68.049

■ 51, 63.391, 68.049

■ 51, 63.391, 68.049

■ 51, 63.306, 68.015

■ 53, 59.550, 70.514

■ 55, 54.326, 72.604

■ 57, 47.878, 74.326

■ 59, 40.868, 75.861

■ 61, 33.699, 77.303

■ 63, 26.585, 78.692

■ 65, 19.629, 80.045

■ 68, 12.874, 81.361

■ 70, 6.330, 82.627

Harmonies

Complementary

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



51, 63.391, 68.049



34, 64.520, 291.130

Rectangle

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



51, 63.391, 68.049



51, 63.391, 118.049



51, 63.391, 248.049



51, 63.391, 298.049

Sweetspot

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



51, 63.306, 68.015



83, 24.410, 79.975



38, 64.495, 9.891



43, 16.900, 79.414



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



51, 63.306, 68.015



65, 77.425, 67.355



69, 74.266, 107.948



37, 3.594, 82.710



44, 56.650, 68.459



5, 7.878, 72.343

Inverse Universe

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



34, 64.520, 291.130



45, 80.263, 291.874



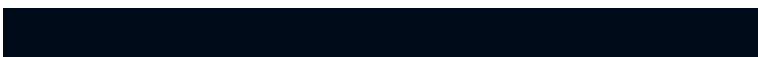
21, 101.588, 306.557



36, 3.560, 265.196



29, 57.071, 290.618



3, 9.461, 272.055

Previews

White Background



This preview shows how the CIELCh color 51, 63.391, 68.049 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, 63.391, 68.049 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, 63.391, 68.049

Background



This preview shows how black text looks on a background with the CIELCh color 51, 63.391, 68.049.



This preview shows how white text looks on a background with the CIELCh color 51, 63.391, 68.049.

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, 63.391, 68.049

Protanopia

51, 53.991, 94.954

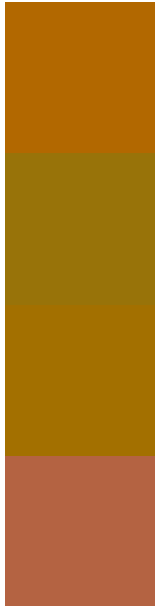
Deuteranopia

51, 57.654, 84.022



Tritanopia
51, 36.853, 18.374

Trichromacy



Original Color
51, 63.391, 68.049

Protanomaly
51, 55.402, 84.004

Deuteranomaly
51, 59.182, 77.846

Tritanomaly
51, 44.265, 47.942

Monochromacy



Original Color
51, 63.391, 68.049

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 25.241, 77.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 63.391, 68.049 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, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 104, 0)  
}
```

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, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 104, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 63.391, 68.049 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, 104, 0) }
```

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

```
.border{ border-color:rgb(178, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 104,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 63.391, 68.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 104, 0) }
```

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

```
.background{ background-color: rgb(178,  
104, 0) }
```

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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