

Converting Colors

CIELCh(50, 79.611, 48.265)

Have a look what the booklet for
CIELCh(50, 79.611, 48.265) contains.

CIELCh(50, 79.560, 48.265)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 79.560, 48.265)

Conversions

Conversions Part 1

Format	Color
Hex	D34706
RGB	211, 71, 6
RGB Percent	83%, 28%, 2%
CMY	0.1718, 0.7209, 0.9756
CMYK	0.00, 0.66, 0.97, 0.17
HSL	19°, 94%, 43%
HSV	19°, 97%, 83%
XYZ	29.2171, 18.4187, 2.1939
YIQ	105.4500, 104.3050, 9.4650

Conversions

Conversions Part 2

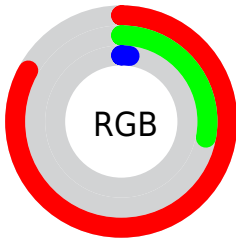
Format	Color
RYB	211, 101, 6
Decimal	13846278
CIELab	50.00, 52.96, 59.37
CIElCh	50, 79.560, 48.265
Yxy	18.4187, 0.5863, 0.3696
Android (android.graphics.Color)	4292036358 (0xFFD34706)
YUV	105.4500, -49.0288, 92.5674
Hunter-Lab	42.9170, 46.4148, 27.0110

Details

The CIELCh color **50, 79.560, 48.265** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **57, 43.088, 258.246**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.432, 50.867**, and **30, 69.064, 39.363** is the 20% darker color. If you saturate the color by 10%, you get **49, 81.541, 47.956**, and if you desaturate by 10%, it is **52, 72.243, 49.474**.

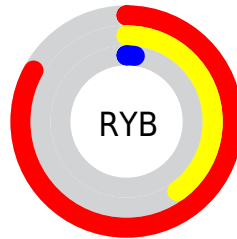
Distribution



Red (83%)

Green (28%)

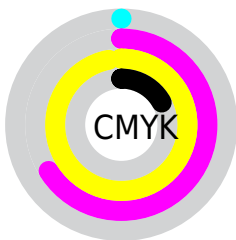
Blue (2%)



Red (83%)

Yellow (40%)

Blue (2%)

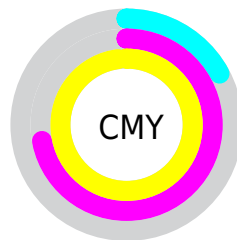


Cyan (0%)

Magenta (66%)

Yellow (97%)

Black (17%)



Cyan (17%)

Magenta (72%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 79.560, 48.265 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 50, 79.560, 48.265 by changing the saturation by 10% instead.

50, 79.560, 48.265

50, 79.560, 48.265

100, 79.560,
48.265

40, 79.560, 48.265

70, 79.560, 48.265

30, 79.560, 48.265

80, 79.560, 48.265

20, 79.560, 48.265

90, 79.560, 48.265

10, 79.560, 48.265

0, 79.560, 48.265

50, 79.560, 48.265

50, 79.560, 48.265

49, 81.541, 47.956

52, 72.243, 49.474

55, 63.160, 49.975

58, 53.541, 50.229

62, 44.066, 50.480

66, 35.034, 50.817

69, 26.559, 51.260

73, 18.664, 51.799

77, 11.330, 52.409

82, 4.515, 53.030

Harmonies

Complementary

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



50, 79.560, 48.265



57, 43.088, 258.246

Rectangle

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



50, 79.560, 48.265



50, 79.560, 98.265



50, 79.560, 228.265



50, 79.560, 278.265

Sweetspot

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



50, 79.557, 48.267



86, 23.516, 51.670



47, 78.998, 345.732



44, 16.404, 51.435



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 79.557, 48.267



59, 94.379, 47.589



72, 74.132, 89.578



42, 3.635, 52.893



39, 68.459, 48.505



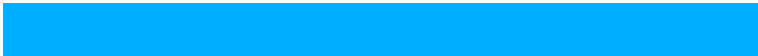
7, 16.709, 38.685

Inverse Universe

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



57, 43.088, 258.246



68, 50.891, 260.312



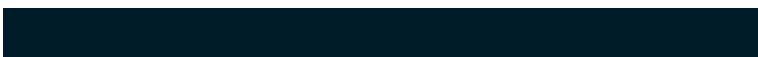
31, 101.409, 302.529



42, 3.463, 234.514



46, 36.745, 258.811



9, 12.863, 247.087

Previews

White Background



This preview shows how the CIELCh color 50, 79.560, 48.265 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 50, 79.560, 48.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

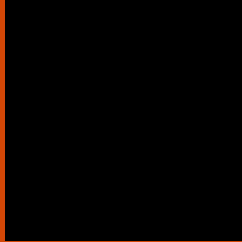
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 79.560, 48.265

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.560, 48.265.



This preview shows how white text looks on a background with the CIELCh color 50, 79.560, 48.265.

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

50, 79.560, 48.265

Protanopia

50, 50.759, 95.306

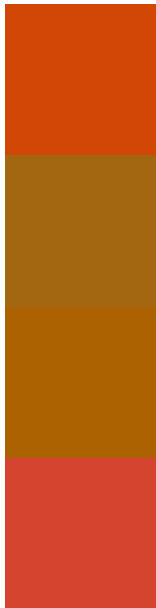
Deuteranopia

50, 56.869, 84.212



Tritanopia
50, 65.309, 28.363

Trichromacy



Original Color
50, 79.560, 48.265

Protanomaly
49, 55.455, 70.602

Deuteranomaly
49, 61.893, 66.328

Tritanomaly
50, 70.499, 38.262

Monochromacy



Original Color
50, 79.560, 48.265

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 28.363, 50.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.560, 48.265 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(211, 71, 6)` looks like.

```
.text, #text, p{  
    color:rgb(211, 71, 6)  
}
```

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(211, 71, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 71, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.560, 48.265 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(211, 71, 6) }
```

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

```
.border{ border-color:rgb(211, 71, 6) }
```

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

Here you see how a box with a 4 pixel rgb(211, 71, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 71, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 71, 6);  
box-shadow:4px 4px 4px 4px rgb(211, 71, 6)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.560, 48.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 71, 6) }
```

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

```
.background{ background-color: rgb(211, 71,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor