

Converting Colors

CIELCh(50, 81.836, 58.411)

Have a look what the booklet for
CIELCh(50, 81.836, 58.411) contains.

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Color

CIELCh(50, 74.064, 53.933)

Conversions

Conversions Part 1

Format	Color
Hex	C85300
RGB	200, 83, 0
RGB Percent	78%, 33%, 0%
CMY	0.2164, 0.6751, 1.0000
CMYK	0.00, 0.59, 1.00, 0.22
HSL	25°, 100%, 39%
HSV	25°, 100%, 78%
XYZ	26.8530, 18.4187, 2.1342
YIQ	108.5210, 96.3750, -1.0090

Conversions

Conversions Part 2

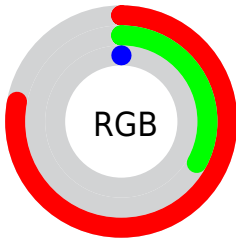
Format	Color
R_{YB}	200, 142, 0
Decimal	13128448
CIE _{Lab}	50.00, 43.60, 59.87
CIE _{LCh}	50, 74.064, 53.933
Yxy	18.4187, 0.5664, 0.3885
Android (android.graphics.Color)	4291318528 (0xFFC85300)
YUV	108.5210, -53.5009, 80.2271
Hunter-Lab	42.9170, 36.5824, 27.0934

Details

The CIELCh color **50, 74.064, 53.933** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **48, 50.746, 274.616**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 70.732, 55.511**, and **30, 61.432, 44.292** is the 20% darker color. If you saturate the color by 10%, you get **50, 74.026, 53.913**, and if you desaturate by 10%, it is **52, 68.155, 56.003**.

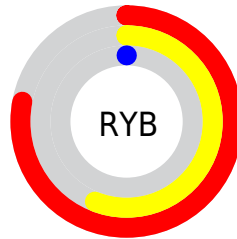
Distribution



Red (78%)

Green (33%)

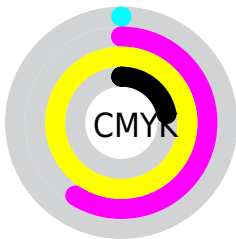
Blue (0%)



Red (78%)

Yellow (56%)

Blue (0%)

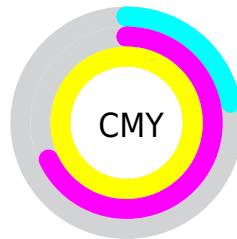


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 74.064, 53.933 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, 74.064, 53.933 by changing the saturation by 10% instead.

■ 50, 74.064, 53.933

■ 50, 74.064, 53.933

■ 100, 74.064,
53.933

■ 40, 74.064, 53.933

■ 70, 74.064, 53.933

■ 30, 74.064, 53.933

■ 80, 74.064, 53.933

■ 20, 74.064, 53.933

■ 90, 74.064, 53.933

■ 10, 74.064, 53.933

■ 0, 74.064, 53.933

■ 50, 74.064, 53.933

■ 50, 74.064, 53.933

■ 50, 74.026, 53.913

■ 52, 68.155, 56.003

■ 55, 60.701, 57.536

■ 58, 52.314, 58.648

61, 43.765, 59.614

64, 35.435, 60.555

67, 27.489, 61.519

70, 19.981, 62.513

74, 12.914, 63.530

77, 6.264, 64.541

Harmonies

Complementary

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



50, 74.064, 53.933



48, 50.746, 274.616

Rectangle

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



50, 74.064, 53.933



50, 74.064, 103.933



50, 74.064, 233.933



50, 74.064, 283.933

Sweetspot

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



50, 74.026, 53.913



87, 24.388, 62.470



44, 72.663, 353.081



45, 16.863, 62.042



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, 74.026, 53.913



63, 89.353, 53.342



73, 75.143, 95.954



40, 3.532, 64.602



41, 63.410, 54.501



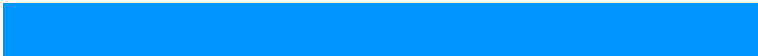
6, 13.072, 47.980

Inverse Universe

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



48, 50.746, 274.616



61, 61.726, 275.392



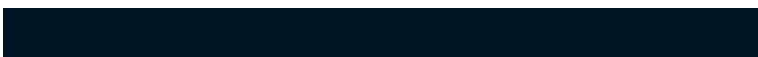
26, 106.479, 305.041



40, 3.412, 246.810



39, 43.131, 273.819



6, 12.693, 261.586

Previews

White Background



This preview shows how the CIELCh color 50, 74.064, 53.933 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, 74.064, 53.933 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, 74.064, 53.933

Background



This preview shows how black text looks on a background with the CIELCh color 50, 74.064, 53.933.



This preview shows how white text looks on a background with the CIELCh color 50, 74.064, 53.933.

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, 74.064, 53.933

Protanopia

50, 51.937, 95.330

Tritanopia

50, 55.290, 25.195

Trichromacy



Original Color
50, 74.064, 53.933

Protanomaly
49, 55.573, 75.168

Tritanomaly
50, 61.979, 40.594

Monochromacy



Original Color
50, 74.064, 53.933

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 27.209, 60.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 74.064, 53.933 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(200, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 83, 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(200, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 83, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 74.064, 53.933 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(200, 83, 0) }
```

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

```
.border{ border-color:rgb(200, 83, 0) }
```

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

Here you see how a box with a 4 pixel rgb(200, 83, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 83, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 74.064, 53.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 83, 0) }
```

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

```
.background{ background-color: rgb(200, 83,  
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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