

Converting Colors

CIELCh(48, 54.158, 96.270)

Have a look what the booklet for
CIELCh(48, 54.158, 96.270) contains.

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Color

CIELCh(48, 54.234, 96.108)

Conversions

Conversions Part 1

Format	Color
Hex	807300
RGB	128, 115, 0
RGB Percent	50%, 45%, 0%
CMY	0.4988, 0.5497, 1.0000
CMYK	0.00, 0.10, 1.00, 0.50
HSL	54°, 100%, 25%
HSV	54°, 100%, 50%
XYZ	14.9817, 16.7945, 2.4442
YIQ	105.7770, 44.6630, -33.0090

Conversions

Conversions Part 2

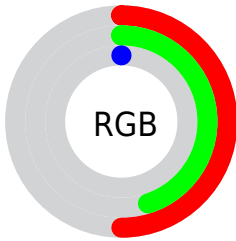
Format	Color
R_{YB}	14, 128, 0
Decimal	8418048
CIE Lab	48.00, -5.77, 53.93
CIE LCh	48, 54.234, 96.108
Yxy	16.7945, 0.4378, 0.4908
Android (android.graphics.Color)	4286608128 (0xFF807300)
YUV	105.7770, -52.1481, 19.4896
Hunter-Lab	40.9810, -6.4615, 25.1505

Details

The CIELCh color **48, 54.234, 96.108** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 74.901, 304.378**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 54.449, 96.475**, and **28, 37.230, 96.266** is the 20% darker color. If you saturate the color by 10%, you get **48, 54.176, 96.111**, and if you desaturate by 10%, it is **48, 51.863, 96.894**.

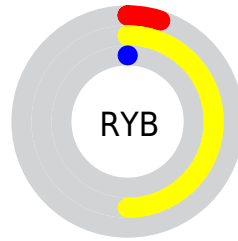
Distribution



Red (50%)

Green (45%)

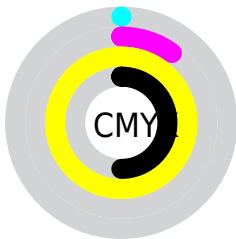
Blue (0%)



Red (5%)

Yellow (50%)

Blue (0%)

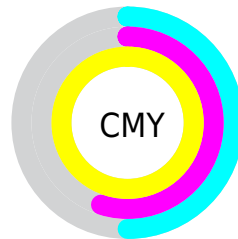


Cyan (0%)

Magenta (10%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 54.234, 96.108 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 48, 54.234, 96.108 by changing the saturation by 10% instead.

48, 54.234, 96.108

48, 54.234, 96.108

100, 54.234,
96.108

38, 54.234, 96.108

68, 54.234, 96.108

28, 54.234, 96.108

78, 54.234, 96.108

18, 54.234, 96.108

88, 54.234, 96.108

8, 54.234, 96.108

98, 54.234, 96.108

0, 54.234, 96.108

48, 54.234, 96.108

48, 54.234, 96.108

48, 54.176, 96.111

48, 51.863, 96.894

49, 48.600, 97.730

■ 49, 44.077, 98.632

■ 50, 38.669, 99.593

■ 50, 32.693,
100.597

■ 51, 26.379,
101.626

■ 51, 19.874,
102.666

■ 52, 13.273,
103.701

■ 53, 6.634, 104.718

Harmonies

Complementary

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



48, 54.234, 96.108



15, 74.901, 304.378

Rectangle

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



48, 54.234, 96.108



48, 54.234, 146.108



48, 54.234, 276.108



48, 54.234, 326.108

Sweetspot

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



48, 54.176, 96.111



66, 24.576, 102.593



26, 57.778, 33.312



34, 16.876, 102.224



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 54.176, 96.111



61, 65.394, 95.940



48, 62.657, 123.156



27, 3.731, 104.809



48, 54.084, 96.113



0, 0.000, 0.000

Inverse Universe

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



15, 74.901, 304.378



21, 91.870, 304.793



17, 76.329, 309.905



25, 3.793, 286.704



15, 74.761, 304.373



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 54.234, 96.108 looks on a white 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

Black Background



This preview shows how the CIE LCh color 48, 54.234, 96.108 looks on a black 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

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

CIELCh 48, 54.234, 96.108

Background



This preview shows how black text looks on a background with the CIELCh color 48, 54.234, 96.108.



This preview shows how white text looks on a background with the CIELCh color 48, 54.234, 96.108.

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


48, 54.234, 96.108

Protanopia

48, 54.044, 95.020

Deuteranopia

48, 51.591, 83.147



Tritanopia
48, 12.490, 358.992

Trichromacy



Original Color
48, 54.234, 96.108

Protanomaly
48, 54.044, 95.020

Deuteranomaly
48, 52.038, 87.739

Tritanomaly
48, 24.076, 82.107

Monochromacy



Original Color
48, 54.234, 96.108

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 24.632, 101.292

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 54.234, 96.108 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(128, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 115, 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(128, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 54.234, 96.108 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(128, 115, 0) }
```

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

```
.border{ border-color:rgb(128, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 115,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 54.234, 96.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 115, 0) }
```

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

```
.background{ background-color: rgb(128,  
115, 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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