

Converting Colors

CIELCh(48, 65.955, 60.472)

Have a look what the booklet for
CIELCh(48, 65.955, 60.472) contains.

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Color

CIELCh(48, 65.756, 60.214)

Conversions

Conversions Part 1	
Format	Color
Hex	B45900
RGB	180, 89, 0
RGB Percent	71%, 35%, 0%
CMY	0.2949, 0.6516, 1.0000
CMYK	0.00, 0.51, 1.00, 0.29
HSL	30°, 100%, 35%
HSV	30°, 100%, 71%
XYZ	22.3310, 16.7945, 2.0581
YIQ	106.0630, 82.8050, -8.3870

Conversions

Conversions Part 2

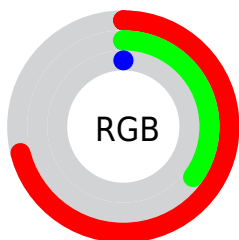
Format	Color
RYB	180, 176, 0
Decimal	11819264
CIELab	48.00, 32.67, 57.07
CIELCh	48, 65.756, 60.214
Yxy	16.7945, 0.5422, 0.4078
Android (android.graphics.Color)	4290009344 (0xFFB45900)
YUV	106.0630, -52.2891, 64.8427
Hunter-Lab	40.9810, 25.5498, 25.7091

Details

The CIELCh color **48, 65.756, 60.214** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **39, 54.798, 283.388**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 65.647, 59.953**, and **28, 51.873, 49.969** is the 20% darker color. If you saturate the color by 10%, you get **48, 65.708, 60.190**, and if you desaturate by 10%, it is **50, 60.922, 62.574**.

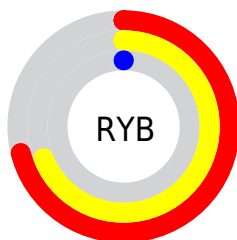
Distribution



Red (71%)

Green (35%)

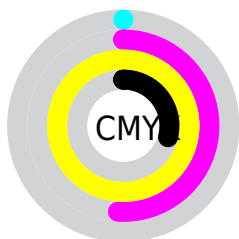
Blue (0%)



Red (71%)

Yellow (69%)

Blue (0%)

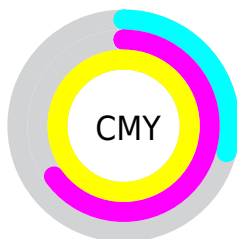


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 65.756, 60.214 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, 65.756, 60.214 by changing the saturation by 10% instead.

 48, 65.756, 60.214

 48, 65.756, 60.214

 100, 65.756,
60.214

 38, 65.756, 60.214

 68, 65.756, 60.214

 28, 65.756, 60.214

 78, 65.756, 60.214

 18, 65.756, 60.214

 88, 65.756, 60.214

 8, 65.756, 60.214

 98, 65.756, 60.214

 0, 65.756, 60.214

 48, 65.756, 60.214

 48, 65.756, 60.214

 48, 65.708, 60.190

 50, 60.922, 62.574

 52, 54.791, 64.506

 55, 47.670, 66.027

 57, 40.232, 67.368

 59, 32.842, 68.638

 62, 25.675, 69.883

 65, 18.800, 71.117

 68, 12.236, 72.338

 70, 5.974, 73.526

Harmonies

Complementary

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



48, 65.756, 60.214



39, 54.798, 283.388

Rectangle

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



48, 65.756, 60.214



48, 65.756, 110.214



48, 65.756, 240.214



48, 65.756, 290.214

Sweetspot

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



48, 65.708, 60.190



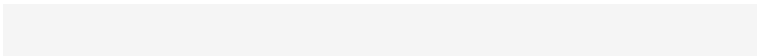
82, 23.368, 71.054



39, 65.408, 0.336



42, 16.090, 70.543



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 65.708, 60.190



62, 80.492, 59.487



70, 73.633, 101.801



36, 3.358, 73.604



41, 58.183, 60.709



4, 7.569, 62.364

Inverse Universe

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



39, 54.798, 283.388



51, 68.027, 284.230



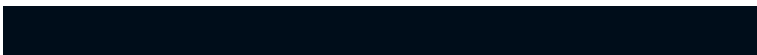
21, 102.164, 306.080



36, 3.284, 256.030



33, 48.048, 282.760



3, 8.756, 265.603

Previews

White Background



This preview shows how the CIELCh color 48, 65.756, 60.214 looks on a white background.

Color Contrast Check

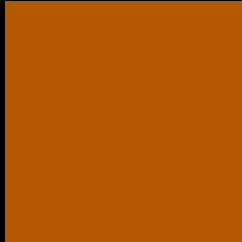
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 65.756, 60.214 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, 65.756, 60.214

Background



This preview shows how black text looks on a background with the CIELCh color 48, 65.756, 60.214.



This preview shows how white text looks on a background with the CIELCh color 48, 65.756, 60.214.

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, 65.756, 60.214

Protanopia

48, 50.825, 95.578

Deuteranopia

48, 55.165, 84.000



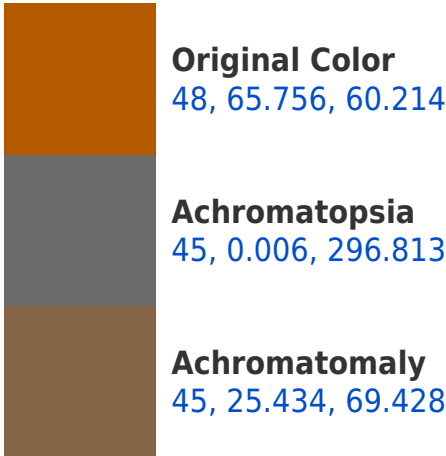
Tritanopia

48, 43.881, 22.369

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 65.756, 60.214 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(180, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 89, 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(180, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 89, 0) }
```

Border

The CSS property to change the border of an element to CIElCh 48, 65.756, 60.214 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(180, 89, 0) }
```

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

```
.border{ border-color:rgb(180, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 65.756, 60.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 89, 0) }
```

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

```
.background{ background-color: rgb(180, 89,  
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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