

Converting Colors

CIELCh(49, 63.502, 61.526)

Have a look what the booklet for
CIELCh(49, 63.502, 61.526) contains.

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Color

CIELCh(49, 63.636, 61.209)

Conversions

Conversions Part 1

Format	Color
Hex	B45D08
RGB	180, 93, 8
RGB Percent	71%, 36%, 3%
CMY	0.2935, 0.6347, 0.9677
CMYK	0.00, 0.48, 0.95, 0.29
HSL	30°, 91%, 37%
HSV	30°, 95%, 71%
XYZ	22.8327, 17.5941, 2.4288
YIQ	109.3230, 79.1370, -7.9910

Conversions

Conversions Part 2

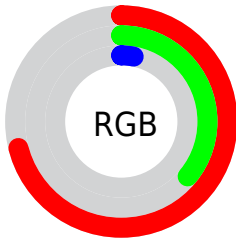
Format	Color
RYB	180, 176, 8
Decimal	11820296
CIELab	49.00, 30.65, 55.77
CIELCh	49, 63.636, 61.209
Yxy	17.5941, 0.5328, 0.4105
Android (android.graphics.Color)	4290010376 (0xFFB45D08)
YUV	109.3230, -49.9522, 61.9837
Hunter-Lab	41.9453, 23.7614, 25.9286

Details

The CIELCh color **49, 63.636, 61.209** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **41, 52.340, 281.395**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 63.952, 61.042**, and **29, 50.916, 52.662** is the 20% darker color. If you saturate the color by 10%, you get **48, 65.819, 60.164**, and if you desaturate by 10%, it is **51, 58.402, 63.504**.

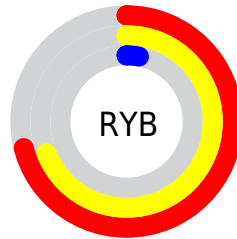
Distribution



Red (71%)

Green (36%)

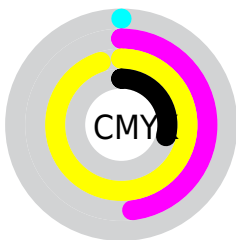
Blue (3%)



Red (71%)

Yellow (69%)

Blue (3%)

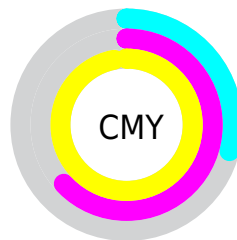


Cyan (0%)

Magenta (48%)

Yellow (95%)

Black (29%)



Cyan (29%)

Magenta (63%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 63.636, 61.209 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 49, 63.636, 61.209 by changing the saturation by 10% instead.

49, 63.636, 61.209

49, 63.636, 61.209

100, 63.636,
61.209

39, 63.636, 61.209

69, 63.636, 61.209

29, 63.636, 61.209

79, 63.636, 61.209

19, 63.636, 61.209

89, 63.636, 61.209

9, 63.636, 61.209

99, 63.636, 61.209

0, 63.636, 61.209

49, 63.636, 61.209

49, 63.636, 61.209

48, 65.819, 60.164

51, 58.402, 63.504

53, 51.701, 65.210

■ 56, 44.359, 66.628

■ 58, 36.898, 67.927

■ 61, 29.583, 69.182

■ 63, 22.533, 70.421

■ 66, 15.788, 71.650

■ 69, 9.354, 72.861

■ 72, 3.214, 73.999

Harmonies

Complementary

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



49, 63.636, 61.209



41, 52.340, 281.395

Rectangle

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



49, 63.636, 61.209



49, 63.636, 111.209



49, 63.636, 241.209



49, 63.636, 291.209

Sweetspot

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



49, 63.634, 61.211



83, 22.531, 71.152



39, 64.960, 358.667



42, 15.605, 70.635



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



49, 63.634, 61.211



62, 80.501, 59.467



70, 72.834, 101.926



36, 3.357, 73.577



41, 58.189, 60.688



4, 7.568, 62.336

Inverse Universe

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



41, 52.340, 281.395



51, 67.993, 284.205



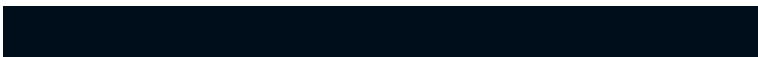
22, 100.082, 305.674



36, 3.284, 256.002



33, 48.024, 282.735



3, 8.754, 265.582

Previews

White Background



This preview shows how the CIELCh color 49, 63.636, 61.209 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 49, 63.636, 61.209 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 49, 63.636, 61.209

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.636, 61.209.



This preview shows how white text looks on a background with the CIELCh color 49, 63.636, 61.209.

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

49, 63.636, 61.209

Protanopia

49, 51.374, 95.155

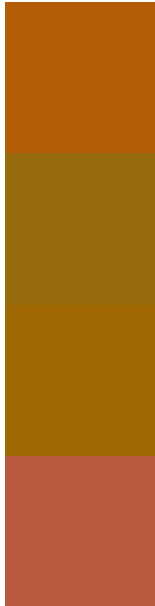
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 42.203, 21.043

Trichromacy



Original Color
49, 63.636, 61.209

Protanomaly
49, 53.086, 80.293

Deuteranomaly
49, 57.608, 74.795

Tritanomaly
49, 48.402, 42.799

Monochromacy



Original Color
49, 63.636, 61.209

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 24.001, 68.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.636, 61.209 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, 93, 8)` looks like.

```
.text, #text, p{  
    color:rgb(180, 93, 8)  
}
```

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, 93, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 93, 8) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.636, 61.209 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, 93, 8) }
```

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

```
.border{ border-color:rgb(180, 93, 8) }
```

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

Here you see how a box with a 4 pixel rgb(180, 93, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 93, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 93, 8);  
box-shadow:4px 4px 4px 4px rgb(180, 93, 8)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.636, 61.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 93, 8) }
```

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

```
.background{ background-color: rgb(180, 93,  
8) }
```

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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