

Converting Colors

CIELCh(49, 69.221, 67.537)

Have a look what the booklet for
CIELCh(49, 69.221, 67.537) contains.

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Color

CIELCh(49, 63.362, 65.105)

Conversions

Conversions Part 1

Format	Color
Hex	AF6000
RGB	175, 96, 0
RGB Percent	69%, 38%, 0%
CMY	0.3125, 0.6218, 1.0000
CMYK	0.00, 0.45, 1.00, 0.31
HSL	33°, 100%, 34%
HSV	33°, 100%, 69%
XYZ	21.9678, 17.5941, 2.2147
YIQ	108.6770, 77.9000, -13.1080

Conversions

Conversions Part 2

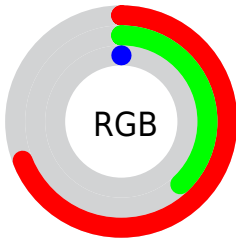
Format	Color
R_{YB}	144, 175, 0
Decimal	11493376
CIE _{Lab}	49.00, 26.67, 57.47
CIE _{LCh}	49, 63.362, 65.105
Yxy	17.5941, 0.5258, 0.4211
Android (android.graphics.Color)	4289683456 (0xFFAF6000)
YUV	108.6770, -53.5778, 58.1653
Hunter-Lab	41.9453, 20.0806, 26.2312

Details

The CIELCh color **49, 63.362, 65.105** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **35, 59.919, 288.432**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 62.930, 64.786**, and **29, 48.685, 55.432** is the 20% darker color. If you saturate the color by 10%, you get **49, 63.194, 65.026**, and if you desaturate by 10%, it is **51, 59.073, 67.507**.

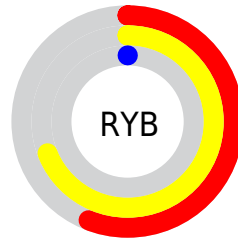
Distribution



Red (69%)

Green (38%)

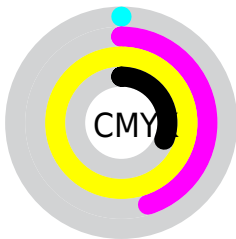
Blue (0%)



Red (56%)

Yellow (69%)

Blue (0%)

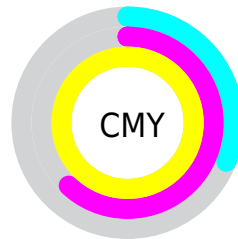


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 63.362, 65.105 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, 63.362, 65.105 by changing the saturation by 10% instead.

49, 63.362, 65.105

49, 63.362, 65.105

100, 63.362,
65.105

39, 63.362, 65.105

69, 63.362, 65.105

29, 63.362, 65.105

79, 63.362, 65.105

19, 63.362, 65.105

89, 63.362, 65.105

9, 63.362, 65.105

99, 63.362, 65.105

0, 63.362, 65.105

49, 63.362, 65.105

49, 63.362, 65.105

49, 63.194, 65.026

51, 59.073, 67.507

53, 53.586, 69.571

■ 55, 46.989, 71.248

■ 57, 39.935, 72.736

■ 59, 32.805, 74.134

■ 62, 25.792, 75.489

■ 64, 18.986, 76.813

■ 67, 12.417, 78.107

■ 69, 6.090, 79.357

Harmonies

Complementary

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



49, 63.362, 65.105



35, 59.919, 288.432

Rectangle

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



49, 63.362, 65.105



49, 63.362, 115.105



49, 63.362, 245.105



49, 63.362, 295.105

Sweetspot

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



49, 63.194, 65.026



81, 23.443, 76.745



37, 63.740, 6.607



42, 16.250, 76.201



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



49, 63.194, 65.026



62, 76.819, 64.349



69, 73.311, 105.926



35, 3.412, 79.441



42, 56.378, 65.508



4, 6.646, 70.470

Inverse Universe

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



35, 59.919, 288.432



46, 73.983, 289.205



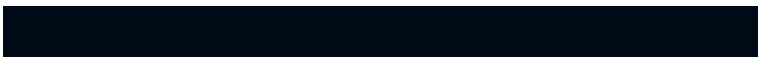
21, 100.773, 306.444



35, 3.364, 261.917



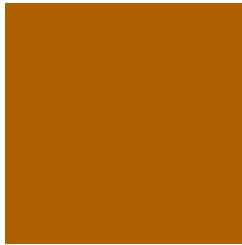
30, 52.859, 287.871



3, 7.698, 268.347

Previews

White Background



This preview shows how the CIELCh color 49, 63.362, 65.105 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, 63.362, 65.105 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, 63.362, 65.105

Background



This preview shows how black text looks on a background with the CIELCh color 49, 63.362, 65.105.



This preview shows how white text looks on a background with the CIELCh color 49, 63.362, 65.105.

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, 63.139, 64.895

Protanopia

49, 52.127, 95.168

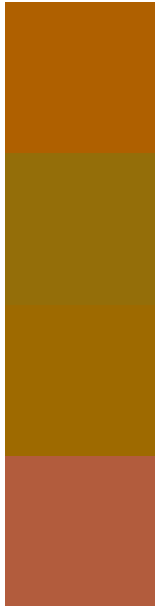
Deuteranopia

49, 55.957, 83.807



Tritanopia
49, 39.010, 20.055

Trichromacy



Original Color
49, 63.139, 64.895

Protanomaly
49, 53.977, 82.796

Deuteranomaly
49, 57.747, 76.408

Tritanomaly
49, 46.393, 45.922

Monochromacy



Original Color
49, 63.139, 64.895

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 25.033, 74.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 63.362, 65.105 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(175, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 96, 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(175, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 96, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 63.362, 65.105 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(175, 96, 0) }
```

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

```
.border{ border-color:rgb(175, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 63.362, 65.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 96, 0) }
```

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

```
.background{ background-color: rgb(175, 96,  
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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