

Converting Colors

CIELCh(45, 73.143, 62.521)

Have a look what the booklet for
CIELCh(45, 73.143, 62.521) contains.

CIELCh(45, 64.725, 57.801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 64.725, 57.801)

Conversions

Conversions Part 1

Format	Color
Hex	AD5000
RGB	173, 80, 0
RGB Percent	68%, 31%, 0%
CMY	0.3229, 0.6873, 1.0000
CMYK	0.00, 0.54, 1.00, 0.32
HSL	28°, 100%, 34%
HSV	28°, 100%, 68%
XYZ	20.0051, 14.5417, 1.7427
YIQ	98.6870, 81.1080, -5.1640

Conversions

Conversions Part 2

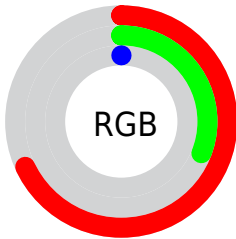
Format	Color
RYB	173, 149, 0
Decimal	11358208
CIELab	45.00, 34.49, 54.77
CIElCh	45, 64.725, 57.801
Yxy	14.5417, 0.5513, 0.4007
Android (android.graphics.Color)	4289548288 (0xFFAD5000)
YUV	98.6870, -48.6527, 65.1725
Hunter-Lab	38.1336, 26.9084, 23.9840

Details

The CIELCh color **45, 64.725, 57.801** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **39, 49.667, 279.797**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.941, 57.811**, and **25, 50.519, 46.439** is the 20% darker color. If you saturate the color by 10%, you get **45, 64.648, 57.756**, and if you desaturate by 10%, it is **47, 59.541, 59.922**.

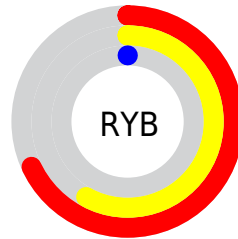
Distribution



Red (68%)

Green (31%)

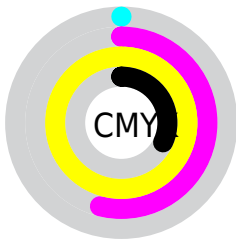
Blue (0%)



Red (68%)

Yellow (58%)

Blue (0%)

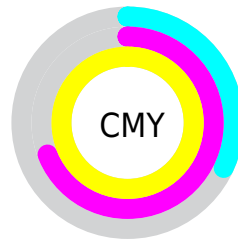


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 64.725, 57.801 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 45, 64.725, 57.801 by changing the saturation by 10% instead.

■ 45, 64.725, 57.801 ■ 45, 64.725, 57.801

■ 100, 64.725, 57.801 ■ 35, 64.725, 57.801

■ 65, 64.725, 57.801 ■ 25, 64.725, 57.801

■ 75, 64.725, 57.801 ■ 15, 64.725, 57.801

■ 85, 64.725, 57.801 ■ 5, 64.725, 57.801

■ 95, 64.725, 57.801 ■ 0, 64.725, 57.801

■ 45, 64.725, 57.801 ■ 45, 64.725, 57.801

■ 45, 64.648, 57.756 ■ 47, 59.541, 59.922

■ 49, 53.260, 61.684

■ 52, 46.125, 63.049

■ 54, 38.775, 64.251

■ 57, 31.544, 65.402

■ 59, 24.583, 66.545

■ 62, 17.948, 67.692

■ 65, 11.650, 68.839

■ 68, 5.673, 69.962

Harmonies

Complementary

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



45, 64.725, 57.801



39, 49.667, 279.797

Rectangle

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



45, 64.725, 57.801



45, 64.725, 107.801



45, 64.725, 237.801



45, 64.725, 287.801

Sweetspot

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



45, 64.648, 57.756



79, 22.245, 67.631



37, 64.063, 357.134



40, 15.324, 67.164



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 64.648, 57.756



58, 78.980, 57.036



66, 69.766, 99.603



35, 3.217, 70.037



39, 58.257, 58.212



4, 6.431, 61.076

Inverse Universe

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



39, 49.667, 279.797



51, 61.411, 280.700



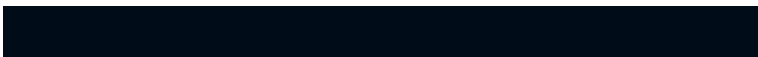
21, 97.566, 305.636



35, 3.132, 252.379



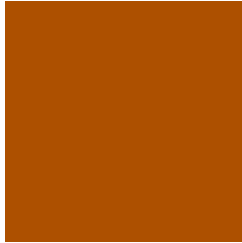
34, 44.420, 279.223



3, 7.153, 261.176

Previews

White Background



This preview shows how the CIELCh color 45, 64.725, 57.801 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 45, 64.725, 57.801 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 45, 64.725, 57.801

Background



This preview shows how black text looks on a background with the CIELCh color 45, 64.725, 57.801.



This preview shows how white text looks on a background with the CIELCh color 45, 64.725, 57.801.

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

45, 64.725, 57.801

Protanopia

45, 48.143, 95.713

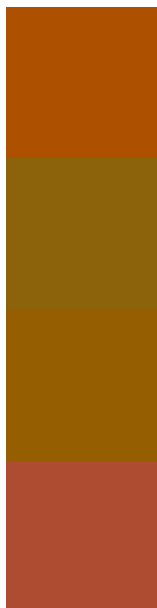
Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 45.375, 23.222

Trichromacy



Original Color
45, 64.725, 57.801

Protanomaly
45, 50.765, 78.690

Deuteranomaly
45, 55.270, 72.849

Tritanomaly
45, 51.666, 42.067

Monochromacy



Original Color
45, 64.725, 57.801

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 24.349, 65.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 64.725, 57.801 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(173, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 80, 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(173, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 80, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 64.725, 57.801 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(173, 80, 0) }
```

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

```
.border{ border-color:rgb(173, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 64.725, 57.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 80, 0) }
```

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

```
.background{ background-color: rgb(173, 80,  
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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