

Converting Colors

CIELCh(45, 57.886, 67.489)

Have a look what the booklet for
CIELCh(45, 57.886, 67.489) contains.

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Color

CIELCh(45, 57.863, 67.422)

Conversions

Conversions Part 1

Format	Color
Hex	9D5A00
RGB	157, 90, 0
RGB Percent	62%, 35%, 0%
CMY	0.3833, 0.6462, 0.9989
CMYK	0.00, 0.43, 1.00, 0.38
HSL	34°, 100%, 31%
HSV	34°, 100%, 62%
XYZ	17.6293, 14.5417, 1.8856
YIQ	99.7730, 68.8220, -13.7860

Conversions

Conversions Part 2

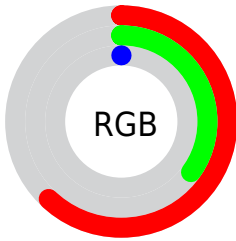
Format	Color
R _Y B	117, 157, 0
Decimal	10312192
CIE Lab	45.00, 22.22, 53.43
CIE LCh	45, 57.863, 67.422
Yxy	14.5417, 0.5176, 0.4270
Android (android.graphics.Color)	4288502272 (0xFF9D5A00)
YUV	99.7730, -49.1881, 50.1881
Hunter-Lab	38.1336, 15.7874, 23.7618

Details

The CIELCh color **45, 57.863, 67.422** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **31, 57.100, 289.819**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 57.999, 67.193**, and **25, 42.141, 57.026** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.936, 67.388**, and if you desaturate by 10%, it is **47, 54.021, 69.769**.

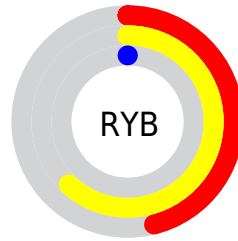
Distribution



Red (62%)

Green (35%)

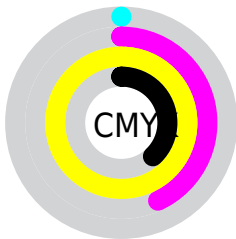
Blue (0%)



Red (46%)

Yellow (62%)

Blue (0%)

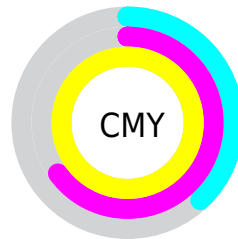


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 57.863, 67.422 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, 57.863, 67.422 by changing the saturation by 10% instead.

 45, 57.863, 67.422

 45, 57.863, 67.422

 100, 57.863,
67.422

 35, 57.863, 67.422

 65, 57.863, 67.422

 25, 57.863, 67.422

 75, 57.863, 67.422

 15, 57.863, 67.422

 85, 57.863, 67.422

 5, 57.863, 67.422

 95, 57.863, 67.422

 0, 57.863, 67.422

 45, 57.863, 67.422

 45, 57.863, 67.422

 45, 57.936, 67.388

 47, 54.021, 69.769

 48, 49.065, 71.790

■ 50, 43.103, 73.464

■ 52, 36.704, 74.964

■ 54, 30.204, 76.377

■ 56, 23.781, 77.743

■ 58, 17.517, 79.075

■ 60, 11.445, 80.372

■ 63, 5.573, 81.621

Harmonies

Complementary

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



45, 57.863, 67.422



31, 57.100, 289.819

Rectangle

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



45, 57.863, 67.422



45, 57.863, 117.422



45, 57.863, 247.422



45, 57.863, 297.422

Sweetspot

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



45, 57.861, 67.424



74, 21.811, 78.976



33, 58.804, 7.683



38, 14.944, 78.459



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 57.861, 67.424



58, 70.404, 66.657



62, 67.710, 106.903



32, 3.219, 81.690



41, 53.952, 67.703



3, 4.058, 79.963

Inverse Universe

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



31, 57.100, 289.819



40, 70.807, 290.721



18, 92.787, 306.507



32, 3.185, 264.137



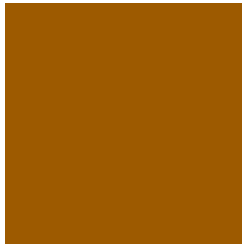
28, 52.851, 289.515



2, 4.252, 264.959

Previews

White Background



This preview shows how the CIELCh color 45, 57.863, 67.422 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, 57.863, 67.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

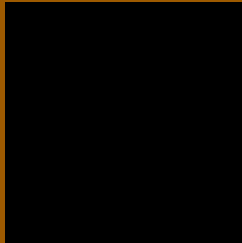
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 57.863, 67.422

Background



This preview shows how black text looks on a background with the CIELCh color 45, 57.863, 67.422.



This preview shows how white text looks on a background with the CIELCh color 45, 57.863, 67.422.

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, 57.863, 67.422

Protanopia

45, 48.897, 95.084

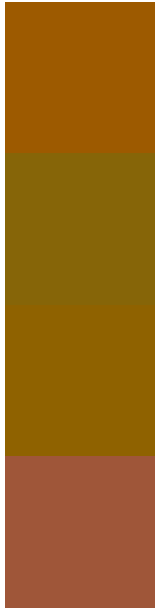
Deuteranopia

45, 52.467, 84.481



Tritanopia
45, 33.737, 18.648

Trichromacy



Original Color
45, 57.863, 67.422

Protanomaly
45, 50.276, 83.937

Deuteranomaly
45, 53.781, 77.999

Tritanomaly
45, 40.643, 47.502

Monochromacy



Original Color
45, 57.863, 67.422

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 22.782, 75.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 57.863, 67.422 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(157, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 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(157, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 57.863, 67.422 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(157, 90, 0) }
```

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

```
.border{ border-color:rgb(157, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 57.863, 67.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 0) }
```

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

```
.background{ background-color: rgb(157, 90,  
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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