

Converting Colors

CIELCh(45, 52.362, 83.992)

Have a look what the booklet for
CIELCh(45, 52.362, 83.992) contains.

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Color

CIELCh(45, 52.339, 83.827)

Conversions

Conversions Part 1

Format	Color
Hex	876500
RGB	135, 101, 0
RGB Percent	53%, 40%, 0%
CMY	0.4693, 0.6028, 0.9984
CMYK	0.00, 0.25, 1.00, 0.47
HSL	45°, 99%, 27%
HSV	45°, 100%, 53%
XYZ	14.7281, 14.5417, 2.0420
YIQ	99.6520, 52.6850, -24.2030

Conversions

Conversions Part 2

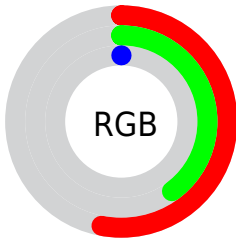
Format	Color
RYB	45, 135, 0
Decimal	8873216
CIELab	45.00, 5.63, 52.04
CIElCh	45, 52.339, 83.827
Yxy	14.5417, 0.4704, 0.4644
Android (android.graphics.Color)	4287063296 (0xFF876500)
YUV	99.6520, -49.1284, 31.0002
Hunter-Lab	38.1336, 2.2073, 23.5186

Details

The CIELCh color **45, 52.339, 83.827** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **20, 66.777, 299.634**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 52.539, 84.280**, and **25, 35.041, 79.863** is the 20% darker color. If you saturate the color by 10%, you get **45, 52.423, 83.783**, and if you desaturate by 10%, it is **46, 49.725, 85.477**.

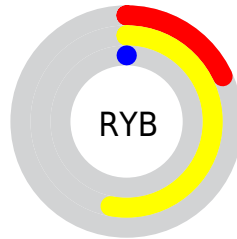
Distribution



Red (53%)

Green (40%)

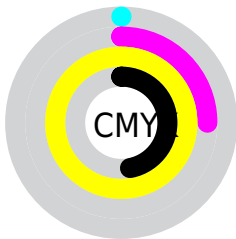
Blue (0%)



Red (18%)

Yellow (53%)

Blue (0%)

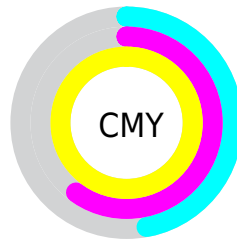


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 52.339, 83.827 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, 52.339, 83.827 by changing the saturation by 10% instead.

■ 45, 52.339, 83.827

■ 45, 52.339, 83.827

■ 100, 52.339,
83.827

■ 35, 52.339, 83.827

■ 65, 52.339, 83.827

■ 25, 52.339, 83.827

■ 75, 52.339, 83.827

■ 15, 52.339, 83.827

■ 85, 52.339, 83.827

■ 5, 52.339, 83.827

■ 95, 52.339, 83.827

■ 0, 52.339, 83.827

■ 45, 52.339, 83.827

■ 45, 52.339, 83.827

■ 45, 52.423, 83.783

■ 46, 49.725, 85.477

■ 47, 46.101, 87.021

■ 48, 41.316, 88.432

■ 49, 35.828, 89.772

■ 50, 29.964, 91.071

■ 51, 23.931, 92.339

■ 53, 17.847, 93.579

■ 54, 11.779, 94.786

■ 55, 5.763, 95.950

Harmonies

Complementary

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



45, 52.339, 83.827



20, 66.777, 299.634

Rectangle

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



45, 52.339, 83.827



45, 52.339, 133.827



45, 52.339, 263.827



45, 52.339, 313.827

Sweetspot

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



45, 52.338, 83.830



67, 22.345, 93.461



28, 55.055, 22.312



35, 15.385, 93.008



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 52.338, 83.830



58, 63.439, 83.287



52, 62.453, 116.176



28, 3.399, 96.010



44, 51.664, 83.826



1, 1.574, 97.074

Inverse Universe

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



20, 66.777, 299.634



27, 82.972, 300.403



16, 81.546, 307.742



27, 3.423, 278.197



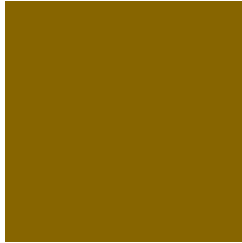
19, 65.875, 299.647



0, 1.574, 277.080

Previews

White Background



This preview shows how the CIELCh color 45, 52.339, 83.827 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, 52.339, 83.827 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, 52.339, 83.827

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.339, 83.827.



This preview shows how white text looks on a background with the CIELCh color 45, 52.339, 83.827.

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, 52.339, 83.827

Protanopia

45, 50.026, 95.102

Deuteranopia

45, 52.339, 83.827



Tritanopia
45, 20.167, 10.497

Trichromacy



Original Color
45, 52.339, 83.827

Protanomaly
45, 50.474, 91.054

Deuteranomaly
45, 52.339, 83.827

Tritanomaly
45, 28.309, 63.510

Monochromacy



Original Color
45, 52.339, 83.827

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 22.305, 91.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.339, 83.827 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(135, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 101, 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(135, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 101, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.339, 83.827 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(135, 101, 0) }
```

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

```
.border{ border-color:rgb(135, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 101,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.339, 83.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 101, 0) }
```

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

```
.background{ background-color: rgb(135,  
101, 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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