

Converting Colors

CIELCh(47, 52.575, 88.856)

Have a look what the booklet for
CIELCh(47, 52.575, 88.856) contains.

CIELCh(47, 52.684, 88.828)	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(47, 52.684, 88.828)

Conversions

Conversions Part 1

Format	Color
Hex	876D04
RGB	135, 109, 4
RGB Percent	53%, 43%, 2%
CMY	0.4717, 0.5735, 0.9858
CMYK	0.00, 0.19, 0.97, 0.47
HSL	48°, 95%, 27%
HSV	48°, 97%, 53%
XYZ	15.4080, 16.0195, 2.3835
YIQ	104.8040, 49.2010, -27.1430

Conversions

Conversions Part 2

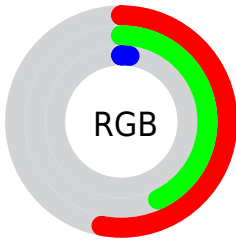
Format	Color
RYB	36, 135, 4
Decimal	8875268
CIELab	47.00, 1.08, 52.67
CIELCh	47, 52.684, 88.828
Yxy	16.0195, 0.4557, 0.4738
Android (android.graphics.Color)	4287065348 (0xFF876D04)
YUV	104.8040, -49.6964, 26.4819
Hunter-Lab	40.0243, -1.3261, 24.4862

Details

The CIELCh color **47, 52.684, 88.828** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **19, 69.507, 301.199**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.750, 88.760**, and **27, 36.621, 86.519** is the 20% darker color. If you saturate the color by 10%, you get **47, 53.361, 88.481**, and if you desaturate by 10%, it is **48, 50.173, 90.180**.

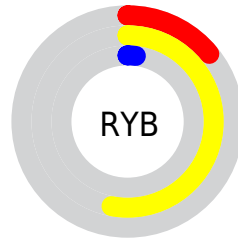
Distribution



Red (53%)

Green (43%)

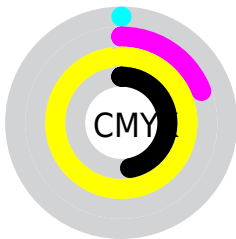
Blue (2%)



Red (14%)

Yellow (53%)

Blue (2%)

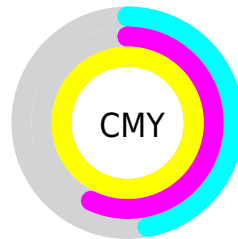


Cyan (0%)

Magenta (19%)

Yellow (97%)

Black (47%)



Cyan (47%)

Magenta (57%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 52.684, 88.828 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 47, 52.684, 88.828 by changing the saturation by 10% instead.

■ 47, 52.684, 88.828

■ 47, 52.684, 88.828

■ 100, 52.684,
88.828

■ 37, 52.684, 88.828

■ 67, 52.684, 88.828

■ 27, 52.684, 88.828

■ 77, 52.684, 88.828

■ 17, 52.684, 88.828

■ 87, 52.684, 88.828

■ 7, 52.684, 88.828

■ 97, 52.684, 88.828

■ 0, 52.684, 88.828

■ 47, 52.684, 88.828

■ 47, 52.684, 88.828

■ 47, 53.361, 88.481

■ 48, 50.173, 90.180

■ 49, 46.361, 91.459

■ 49, 41.428, 92.692

■ 50, 35.792, 93.903

■ 51, 29.760, 95.103

■ 52, 23.527, 96.290

■ 53, 17.212, 97.458

■ 54, 10.882, 98.600

■ 55, 4.578, 99.701

Harmonies

Complementary

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



47, 52.684, 88.828



19, 69.507, 301.199

Rectangle

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



47, 52.684, 88.828



47, 52.684, 138.828



47, 52.684, 268.828



47, 52.684, 318.828

Sweetspot

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



47, 52.683, 88.830



68, 22.732, 97.187



28, 55.904, 26.700



35, 15.725, 96.751



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



47, 52.683, 88.830



60, 64.769, 88.104



52, 62.707, 119.343



27, 3.486, 99.509



45, 52.033, 88.537



1, 0.834, 100.518

Inverse Universe

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



19, 69.507, 301.199



25, 88.521, 302.412



17, 79.105, 308.461



26, 3.525, 281.585



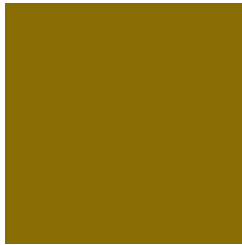
17, 69.345, 301.713



0, 0.835, 280.522

Previews

White Background



This preview shows how the CIELCh color 47, 52.684, 88.828 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 47, 52.684, 88.828 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 47, 52.684, 88.828

Background



This preview shows how black text looks on a background with the CIELCh color 47, 52.684, 88.828.



This preview shows how white text looks on a background with the CIELCh color 47, 52.684, 88.828.

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

47, 52.684, 88.828

Protanopia

47, 51.780, 95.417

Deuteranopia

47, 51.883, 83.599



Tritanopia
47, 17.064, 5.782

Trichromacy



Original Color
47, 52.684, 88.828

Protanomaly
47, 51.988, 93.201

Deuteranomaly
47, 52.092, 85.356

Tritanomaly
47, 25.541, 68.791

Monochromacy



Original Color
47, 52.684, 88.828

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 22.853, 95.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 52.684, 88.828 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, 109, 4)` looks like.

```
.text, #text, p{  
    color:rgb(135, 109, 4)  
}
```

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, 109, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 109, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 52.684, 88.828 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, 109, 4) }
```

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

```
.border{ border-color:rgb(135, 109, 4) }
```

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

Here you see how a box with a 4 pixel rgb(135, 109, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 109, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 109, 4);  
box-shadow:4px 4px 4px 4px rgb(135, 109,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 52.684, 88.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 109, 4) }
```

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

```
.background{ background-color: rgb(135,  
109, 4) }
```

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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