

Converting Colors

CIELCh(41, 48.818, 87.572)

Have a look what the booklet for
CIELCh(41, 48.818, 87.572) contains.

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Color

CIELCh(41, 48.597, 87.681)

Conversions

Conversions Part 1

Format	Color
Hex	775E00
RGB	119, 94, 0
RGB Percent	47%, 37%, 0%
CMY	0.5344, 0.6323, 1.0000
CMYK	0.00, 0.21, 1.00, 0.53
HSL	47°, 100%, 23%
HSV	47°, 100%, 47%
XYZ	11.5498, 11.8645, 1.6727
YIQ	90.7590, 45.0740, -23.9340

Conversions

Conversions Part 2

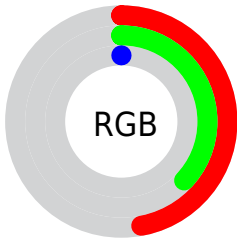
Format	Color
R_{YB}	32, 119, 0
Decimal	7822848
CIE Lab	41.00, 1.97, 48.56
CIE LCh	41, 48.597, 87.681
Yxy	11.8645, 0.4604, 0.4729
Android (android.graphics.Color)	4286012928 (0xFF775E00)
YUV	90.7590, -44.7442, 24.7674
Hunter-Lab	34.4449, -0.4253, 21.2322

Details

The CIELCh color **41, 48.597, 87.681** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 63.479, 301.002**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.609, 87.652**, and **21, 30.017, 83.780** is the 20% darker color. If you saturate the color by 10%, you get **41, 48.514, 87.671**, and if you desaturate by 10%, it is **42, 45.933, 89.018**.

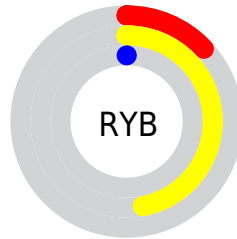
Distribution



Red (47%)

Green (37%)

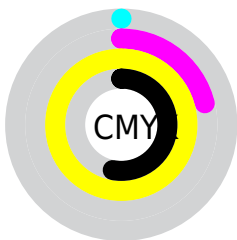
Blue (0%)



Red (13%)

Yellow (47%)

Blue (0%)

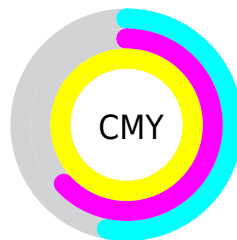


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 48.597, 87.681 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 41, 48.597, 87.681 by changing the saturation by 10% instead.

41, 48.597, 87.681

41, 48.597, 87.681

100, 48.597,
87.681

31, 48.597, 87.681

61, 48.597, 87.681

21, 48.597, 87.681

71, 48.597, 87.681

11, 48.597, 87.681

81, 48.597, 87.681

1, 48.597, 87.681

91, 48.597, 87.681

0, 48.597, 87.681

41, 48.597, 87.681

41, 48.597, 87.681

41, 48.514, 87.671

42, 45.933, 89.018

43, 42.676, 90.348

■ 43, 38.366, 91.609

■ 44, 33.389, 92.837

■ 45, 28.032, 94.046

■ 46, 22.481, 95.240

■ 47, 16.848, 96.413

■ 48, 11.201, 97.561

■ 49, 5.576, 98.673

Harmonies

Complementary

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



41, 48.597, 87.681



16, 63.479, 301.002

Rectangle

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



41, 48.597, 87.681



41, 48.597, 137.681



41, 48.597, 267.681



41, 48.597, 317.681

Sweetspot

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



41, 48.514, 87.671



60, 21.022, 96.324



24, 51.303, 25.786



31, 14.461, 95.924



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



41, 48.514, 87.671



53, 58.878, 87.218



46, 57.620, 118.528



24, 3.105, 98.779



42, 49.572, 87.615



82, 83.642, 86.630

Inverse Universe

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



16, 63.479, 301.002



22, 79.054, 301.734



14, 73.668, 308.464



23, 3.137, 280.830



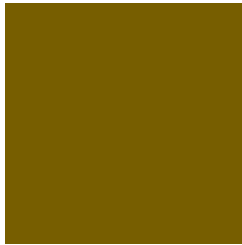
16, 65.077, 301.096



37, 115.822, 302.586

Previews

White Background



This preview shows how the CIELCh color 41, 48.597, 87.681 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 CIE LCh color 41, 48.597, 87.681 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 41, 48.597, 87.681

Background



This preview shows how black text looks on a background with the CIELCh color 41, 48.597, 87.681.



This preview shows how white text looks on a background with the CIELCh color 41, 48.597, 87.681.

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

41, 48.597, 87.681

Protanopia

41, 46.624, 95.005

Deuteranopia

41, 47.107, 83.579



Tritanopia
41, 16.122, 6.727

Trichromacy



Original Color
41, 48.597, 87.681

Protanomaly
41, 47.163, 92.504

Deuteranomaly
41, 47.672, 85.631

Tritanomaly
40, 23.775, 66.917

Monochromacy



Original Color
41, 48.597, 87.681

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 20.961, 95.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 48.597, 87.681 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(119, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 94, 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(119, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 48.597, 87.681 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(119, 94, 0) }
```

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

```
.border{ border-color:rgb(119, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 48.597, 87.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 94, 0) }
```

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

```
.background{ background-color: rgb(119, 94,  
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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