

Converting Colors

CIELCh(41, 86.685, 89.986)

Have a look what the booklet for
CIELCh(41, 86.685, 89.986) contains.

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Color

CIELCh(41, 48.775, 88.382)

Conversions

Conversions Part 1

Format	Color
Hex	765E00
RGB	118, 94, 0
RGB Percent	46%, 37%, 0%
CMY	0.5375, 0.6311, 1.0000
CMYK	0.00, 0.20, 1.00, 0.54
HSL	48°, 100%, 23%
HSV	48°, 100%, 46%
XYZ	11.4676, 11.8645, 1.6528
YIQ	90.4600, 44.4780, -24.1460

Conversions

Conversions Part 2

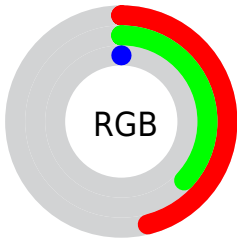
Format	Color
R_YB	30, 118, 0
Decimal	7757312
CIE Lab	41.00, 1.38, 48.76
CIE LCh	41, 48.775, 88.382
Yxy	11.8645, 0.4590, 0.4749
Android (android.graphics.Color)	4285947392 (0xFF765E00)
YUV	90.4600, -44.5968, 24.1526
Hunter-Lab	34.4449, -0.8515, 21.2665

Details

The CIELCh color **41, 48.775, 88.382** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **15, 63.735, 301.274**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.455, 88.170**, and **21, 29.783, 84.783** is the 20% darker color. If you saturate the color by 10%, you get **41, 48.456, 88.341**, and if you desaturate by 10%, it is **42, 45.891, 89.645**.

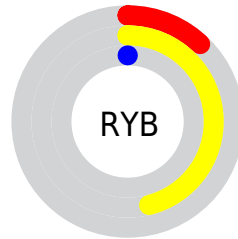
Distribution



Red (46%)

Green (37%)

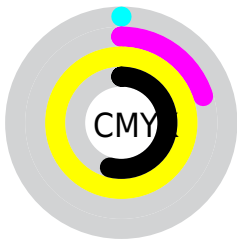
Blue (0%)



Red (12%)

Yellow (46%)

Blue (0%)

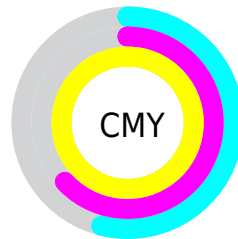


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 48.775, 88.382 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, 48.775, 88.382 by changing the saturation by 10% instead.

41, 48.775, 88.382

41, 48.775, 88.382

100, 48.775,
88.382

31, 48.775, 88.382

61, 48.775, 88.382

21, 48.775, 88.382

71, 48.775, 88.382

11, 48.775, 88.382

81, 48.775, 88.382

1, 48.775, 88.382

91, 48.775, 88.382

0, 48.775, 88.382

41, 48.775, 88.382

41, 48.775, 88.382

41, 48.456, 88.341

42, 45.891, 89.645

42, 42.659, 90.938

■ 43, 38.373, 92.173

■ 44, 33.414, 93.382

■ 45, 28.068, 94.576

■ 46, 22.520, 95.756

■ 47, 16.884, 96.919

■ 48, 11.229, 98.058

■ 49, 5.592, 99.162

Harmonies

Complementary

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



41, 48.775, 88.382



15, 63.735, 301.274

Rectangle

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



41, 48.775, 88.382



41, 48.775, 138.382



41, 48.775, 268.382



41, 48.775, 318.382

Sweetspot

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



41, 48.456, 88.341



60, 20.896, 96.833



23, 51.047, 25.742



30, 14.176, 96.452



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



41, 48.456, 88.341



53, 58.374, 87.921



45, 57.347, 118.519



24, 3.131, 99.266



43, 49.741, 88.276



83, 83.926, 87.336

Inverse Universe

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



15, 63.735, 301.274



21, 78.708, 301.971



13, 73.317, 308.470



23, 3.165, 281.304



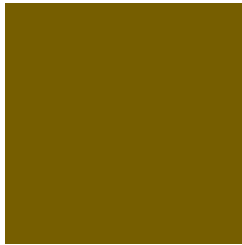
16, 65.685, 301.386



36, 116.799, 302.838

Previews

White Background



This preview shows how the CIELCh color 41, 48.775, 88.382 looks on a white background.

Color Contrast Check

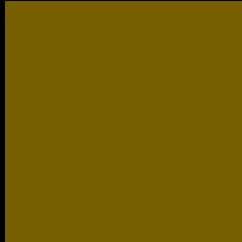
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.775, 88.382 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, 48.775, 88.382

Background



This preview shows how black text looks on a background with the CIELCh color 41, 48.775, 88.382.



This preview shows how white text looks on a background with the CIELCh color 41, 48.775, 88.382.

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, 48.449, 88.255

Protanopia

41, 46.883, 95.009

Deuteranopia

41, 46.853, 83.516



Tritanopia
41, 16.122, 6.727

Trichromacy



Original Color
41, 48.449, 88.255

Protanomaly
41, 47.428, 92.521

Deuteranomaly
41, 47.409, 85.579

Tritanomaly
41, 23.872, 68.569

Monochromacy



Original Color
41, 48.449, 88.255

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 20.997, 95.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 48.775, 88.382 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(118, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 48.775, 88.382 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(118, 94, 0) }
```

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

```
.border{ border-color:rgb(118, 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(118, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 48.775, 88.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 0) }
```

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

```
.background{ background-color: rgb(118, 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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