

Converting Colors

CIELCh(41, 79.651, 89.502)

Have a look what the booklet for
CIELCh(41, 79.651, 89.502) contains.

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Color

CIELCh(41, 48.751, 87.111)

Conversions

Conversions Part 1

Format	Color
Hex	775D00
RGB	119, 93, 0
RGB Percent	47%, 36%, 0%
CMY	0.5317, 0.6334, 1.0000
CMYK	0.00, 0.22, 1.00, 0.53
HSL	47°, 100%, 23%
HSV	47°, 100%, 47%
XYZ	11.6186, 11.8645, 1.6595
YIQ	90.1720, 45.3490, -23.4110

Conversions

Conversions Part 2

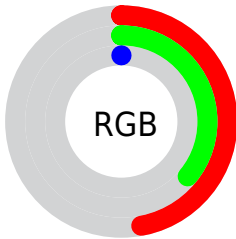
Format	Color
RYB	33, 119, 0
Decimal	7822592
CIELab	41.00, 2.46, 48.69
CIELCh	41, 48.751, 87.111
Yxy	11.8645, 0.4621, 0.4719
Android (android.graphics.Color)	4286012672 (0xFF775D00)
YUV	90.1720, -44.4548, 25.2822
Hunter-Lab	34.4449, -0.0688, 21.2550

Details

The CIELCh color **41, 48.751, 87.111** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **16, 63.254, 300.760**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 48.352, 86.988**, and **21, 30.017, 83.780** is the 20% darker color. If you saturate the color by 10%, you get **41, 48.574, 87.085**, and if you desaturate by 10%, it is **42, 45.977, 88.469**.

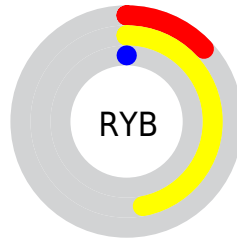
Distribution



Red (47%)

Green (36%)

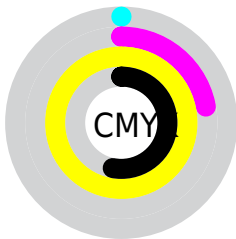
Blue (0%)



Red (13%)

Yellow (47%)

Blue (0%)

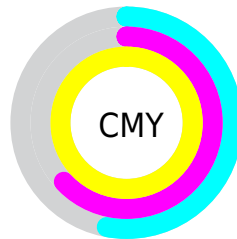


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 48.751, 87.111 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, 48.751, 87.111 by changing the saturation by 10% instead.

41, 48.751, 87.111

41, 48.751, 87.111

100, 48.751,
87.111

31, 48.751, 87.111

61, 48.751, 87.111

21, 48.751, 87.111

71, 48.751, 87.111

11, 48.751, 87.111

81, 48.751, 87.111

1, 48.751, 87.111

91, 48.751, 87.111

0, 48.751, 87.111

41, 48.751, 87.111

41, 48.751, 87.111

41, 48.574, 87.085

42, 45.977, 88.469

43, 42.697, 89.831

■ 43, 38.366, 91.115

■ 44, 33.372, 92.359

■ 45, 28.005, 93.582

■ 46, 22.449, 94.785

■ 47, 16.818, 95.968

■ 48, 11.177, 97.124

■ 49, 5.562, 98.243

Harmonies

Complementary

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



41, 48.751, 87.111



16, 63.254, 300.760

Rectangle

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



41, 48.751, 87.111



41, 48.751, 137.111



41, 48.751, 267.111



41, 48.751, 317.111

Sweetspot

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



41, 48.574, 87.085



60, 20.886, 95.880



24, 51.052, 24.471



31, 14.369, 95.478



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, 48.574, 87.085



53, 58.711, 86.625



46, 57.598, 117.722



24, 3.083, 98.350



42, 49.431, 87.038



82, 83.408, 86.013

Inverse Universe

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



16, 63.254, 300.760



22, 78.426, 301.488



14, 74.183, 308.248



23, 3.113, 280.414



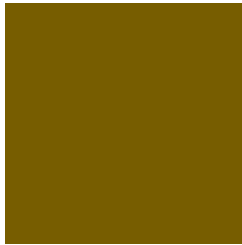
16, 64.542, 300.838



37, 114.956, 302.360

Previews

White Background



This preview shows how the CIELCh color 41, 48.751, 87.111 looks on a white background.

Color Contrast Check

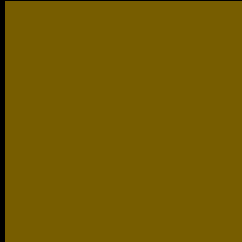
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.751, 87.111 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, 48.751, 87.111

Background



This preview shows how black text looks on a background with the CIELCh color 41, 48.751, 87.111.



This preview shows how white text looks on a background with the CIELCh color 41, 48.751, 87.111.

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, 48.428, 86.974

Protanopia

41, 46.624, 95.005

Deuteranopia

41, 47.107, 83.579



Tritanopia
41, 16.548, 7.205

Trichromacy



Original Color
41, 48.428, 86.974

Protanomaly
41, 47.163, 92.504

Deuteranomaly
41, 47.849, 85.061

Tritanomaly
41, 24.117, 66.089

Monochromacy



Original Color
41, 48.428, 86.974

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, 48.751, 87.111 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, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 93, 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, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 93, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 48.751, 87.111 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, 93, 0) }
```

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

```
.border{ border-color:rgb(119, 93, 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, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 48.751, 87.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 93, 0) }
```

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

```
.background{ background-color: rgb(119, 93,  
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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