

Converting Colors

CIELCh(34, 50.412, 77.676)

Have a look what the booklet for
CIELCh(34, 50.412, 77.676) contains.

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Color

CIELCh(34, 44.705, 75.428)

Conversions

Conversions Part 1

Format	Color
Hex	6F4800
RGB	111, 72, 0
RGB Percent	44%, 28%, 0%
CMY	0.5648, 0.7177, 1.0000
CMYK	0.00, 0.35, 1.00, 0.56
HSL	39°, 100%, 22%
HSV	39°, 100%, 44%
XYZ	8.8666, 8.0082, 1.0776
YIQ	75.4530, 46.3560, -14.1240

Conversions

Conversions Part 2

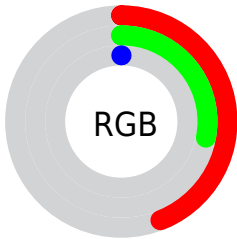
Format	Color
RYB	60, 111, 0
Decimal	7292928
CIELab	34.00, 11.25, 43.27
CIELCh	34, 44.705, 75.428
Yxy	8.0082, 0.4939, 0.4461
Android (android.graphics.Color)	4285483008 (0xFF6F4800)
YUV	75.4530, -37.1983, 31.1747
Hunter-Lab	28.2988, 6.4047, 17.5514

Details

The CIELCh color **34, 44.705, 75.428** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **18, 48.987, 293.744**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 44.884, 75.236**, and **14, 24.324, 61.391** is the 20% darker color. If you saturate the color by 10%, you get **34, 44.695, 75.426**, and if you desaturate by 10%, it is **35, 41.352, 77.184**.

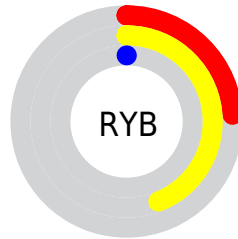
Distribution



Red (44%)

Green (28%)

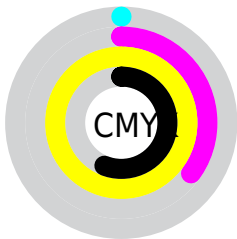
Blue (0%)



Red (24%)

Yellow (44%)

Blue (0%)

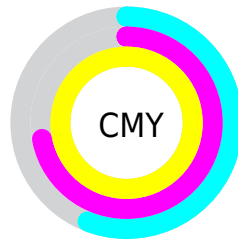


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (56%)



Cyan (56%)

















Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 44.705, 75.428 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 34, 44.705, 75.428 by changing the saturation by 10% instead.

 34, 44.705, 75.428	 34, 44.705, 75.428
 100, 44.705, 75.428	 24, 44.705, 75.428
 54, 44.705, 75.428	 14, 44.705, 75.428
 64, 44.705, 75.428	 4, 44.705, 75.428
 74, 44.705, 75.428	 0, 44.705, 75.428
 84, 44.705, 75.428	
 94, 44.705, 75.428	
 34, 44.705, 75.428	 34, 44.705, 75.428
 34, 44.695, 75.426	 35, 41.352, 77.184

■ 36, 37.757, 78.975

■ 37, 33.409, 80.542

■ 39, 28.674, 81.986

■ 40, 23.785, 83.361

■ 41, 18.877, 84.690

■ 43, 14.017, 85.981

■ 44, 9.243, 87.234

■ 45, 4.567, 88.438

Harmonies

Complementary

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



34, 44.705, 75.428



18, 48.987, 293.744

Rectangle

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



34, 44.705, 75.428



34, 44.705, 125.428



34, 44.705, 255.428



34, 44.705, 305.428

Sweetspot

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



34, 44.695, 75.426



55, 17.505, 85.877



22, 45.973, 12.150



28, 12.076, 85.458



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 44.695, 75.426



44, 54.269, 74.563



44, 53.077, 110.579



23, 2.589, 88.553



37, 47.213, 75.161



73, 80.618, 73.339

Inverse Universe

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



18, 48.987, 293.744



25, 61.242, 294.822



11, 71.616, 307.039



22, 2.585, 270.809



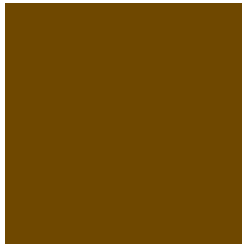
20, 52.220, 294.083



44, 94.635, 296.248

Previews

White Background



This preview shows how the CIELCh color 34, 44.705, 75.428 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 44.705, 75.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34, 44.705, 75.428

Background



This preview shows how black text looks on a background with the CIELCh color 34, 44.705, 75.428.



This preview shows how white text looks on a background with the CIELCh color 34, 44.705, 75.428.

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

34, 44.705, 75.428

Protanopia

34, 39.829, 95.810

Deuteranopia

34, 42.903, 84.223



Tritanopia
34, 21.735, 15.175

Trichromacy



Original Color
34, 44.705, 75.428

Protanomaly
34, 40.826, 88.276

Deuteranomaly
34, 43.401, 81.468

Tritanomaly
34, 27.183, 53.000

Monochromacy



Original Color
34, 44.705, 75.428

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 17.798, 84.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 44.705, 75.428 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(111, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 72, 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(111, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 72, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 44.705, 75.428 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(111, 72, 0) }
```

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

```
.border{ border-color:rgb(111, 72, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 72, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 44.705, 75.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 72, 0) }
```

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

```
.background{ background-color: rgb(111, 72,  
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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