

Converting Colors

CIELCh(36, 48.505, 66.739)

Have a look what the booklet for
CIELCh(36, 48.505, 66.739) contains.

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Color

CIELCh(36, 48.380, 66.768)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 7E4703 |
| RGB | 126, 71, 3 |
| RGB Percent | 49%, 28%, 1% |
| CMY | 0.5046, 0.7205, 0.9871 |
| CMYK | 0.00, 0.44, 0.97, 0.50 |
| HSL | 33°, 95%, 25% |
| HSV | 33°, 97%, 50% |
| XYZ | 10.9405, 9.0082, 1.2567 |
| YIQ | 79.6930, 54.6080, -9.4880 |

Conversions

Conversions Part 2

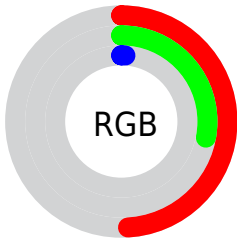
| Format | Color |
|-------------------------------------|------------------------------------------------|
| RYB | 102, 126, 3 |
| Decimal | 8275715 |
| CIELab | 36.00, 19.08, 44.46 |
| CIElCh | 36, 48.380, 66.768 |
| Yxy | 9.0082, 0.5159, 0.4248 |
| Android (android.graphics.Color) | 4286465795 (0xFF7E4703) |
| YUV | 79.6930, -37.8096, 40.6112 |
| Hunter-Lab | 30.0136, 12.5424, 18.5270 |

Details

The CIELCh color **36, 48.380, 66.768** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **26, 44.709, 286.378**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 48.686, 66.904**, and **16, 31.001, 51.285** is the 20% darker color. If you saturate the color by 10%, you get **36, 49.536, 66.351**, and if you desaturate by 10%, it is **37, 44.457, 68.831**.

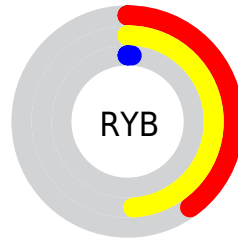
Distribution



Red (49%)

Green (28%)

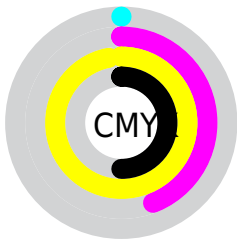
Blue (1%)



Red (40%)

Yellow (49%)

Blue (1%)

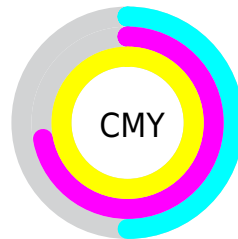


Cyan (0%)

Magenta (44%)

Yellow (97%)

Black (50%)



Cyan (50%)

Magenta (72%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 48.380, 66.768 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 36, 48.380, 66.768 by changing the saturation by 10% instead.

36, 48.380, 66.768

36, 48.380, 66.768

100, 48.380,
66.768

26, 48.380, 66.768

56, 48.380, 66.768

16, 48.380, 66.768

66, 48.380, 66.768

6, 48.380, 66.768

76, 48.380, 66.768

0, 48.380, 66.768

86, 48.380, 66.768

96, 48.380, 66.768

36, 48.380, 66.768

36, 48.380, 66.768

36, 49.536, 66.351

37, 44.457, 68.831

■ 39, 39.779, 70.624

■ 41, 34.531, 72.155

■ 42, 29.087, 73.560

■ 44, 23.658, 74.902

■ 46, 18.346, 76.210

■ 48, 13.197, 77.490

■ 50, 8.226, 78.739

■ 51, 3.431, 79.930

Harmonies

Complementary

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



36, 48.380, 66.768



26, 44.709, 286.378

Rectangle

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



36, 48.380, 66.768



36, 48.380, 116.768



36, 48.380, 246.768



36, 48.380, 296.768

Sweetspot

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



36, 48.379, 66.771



60, 17.300, 77.200



26, 49.649, 4.180



30, 11.887, 76.752



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



36, 48.379, 66.771



46, 59.857, 65.455



51, 57.054, 105.868



26, 2.645, 79.734



36, 49.873, 66.315



0, 0.000, 0.000

Inverse Universe

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



26, 44.709, 286.378



33, 56.766, 288.380



14, 77.686, 306.158



25, 2.611, 262.098



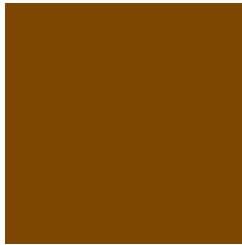
25, 46.343, 287.366



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 48.380, 66.768 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 CIELCh color 36, 48.380, 66.768 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 36, 48.380, 66.768

Background



This preview shows how black text looks on a background with the CIELCh color 36, 48.380, 66.768.



This preview shows how white text looks on a background with the CIELCh color 36, 48.380, 66.768.

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

36, 48.380, 66.768

Protanopia

36, 40.892, 96.180

Deuteranopia

36, 44.716, 84.498



Tritanopia
36, 29.109, 18.699

Trichromacy



Original Color
36, 48.380, 66.768

Protanomaly
36, 42.018, 84.522

Deuteranomaly
36, 45.584, 77.068

Tritanomaly
36, 34.081, 46.129

Monochromacy



Original Color
36, 48.380, 66.768

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.592, 75.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 48.380, 66.768 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(126, 71, 3)` looks like.

```
.text, #text, p{  
    color:rgb(126, 71, 3)  
}
```

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(126, 71, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 71, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 48.380, 66.768 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(126, 71, 3) }
```

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

```
.border{ border-color:rgb(126, 71, 3) }
```

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

Here you see how a box with a 4 pixel rgb(126, 71, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 71, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 71, 3);  
box-shadow:4px 4px 4px 4px rgb(126, 71, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 48.380, 66.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 71, 3) }
```

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

```
.background{ background-color: rgb(126, 71,  
3) }
```

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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