

Converting Colors

CIELCh(38, 45.570, 89.312)

Have a look what the booklet for
CIELCh(38, 45.570, 89.312) contains.

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Color

CIELCh(38, 45.405, 89.110)

Conversions

Conversions Part 1

Format	Color
Hex	6C5701
RGB	108, 87, 1
RGB Percent	42%, 34%, 0%
CMY	0.5749, 0.6575, 0.9945
CMYK	0.00, 0.19, 0.99, 0.57
HSL	48°, 97%, 22%
HSV	48°, 99%, 43%
XYZ	9.6758, 10.0881, 1.4775
YIQ	83.4750, 40.1220, -22.2940

Conversions

Conversions Part 2

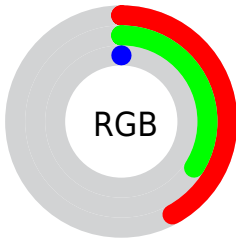
Format	Color
R_{YB}	27, 108, 1
Decimal	7100161
CIE _{Lab}	38.00, 0.71, 45.40
CIE _{LCh}	38, 45.405, 89.110
Yxy	10.0881, 0.4555, 0.4749
Android (android.graphics.Color)	4285290241 (0xFF6C5701)
YUV	83.4750, -40.6602, 21.5084
Hunter-Lab	31.7617, -1.2051, 19.4751

Details

The CIELCh color **38, 45.405, 89.110** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **14, 59.114, 300.930**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.057, 88.740**, and **18, 25.888, 86.144** is the 20% darker color. If you saturate the color by 10%, you get **38, 45.782, 88.961**, and if you desaturate by 10%, it is **39, 42.803, 90.361**.

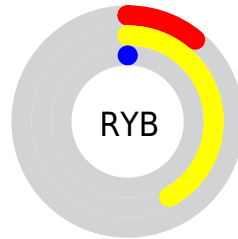
Distribution



Red (42%)

Green (34%)

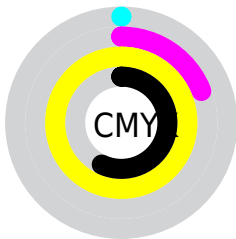
Blue (0%)



Red (11%)

Yellow (42%)

Blue (0%)

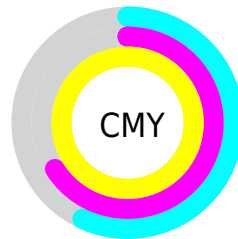


Cyan (0%)

Magenta (19%)

Yellow (99%)

Black (57%)



Cyan (57%)

Magenta (66%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 45.405, 89.110 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 38, 45.405, 89.110 by changing the saturation by 10% instead.

■ 38, 45.405, 89.110 ■ 38, 45.405, 89.110

■ 100, 45.405, 89.110 ■ 28, 45.405, 89.110

■ 58, 45.405, 89.110 ■ 18, 45.405, 89.110

■ 68, 45.405, 89.110 ■ 8, 45.405, 89.110

■ 78, 45.405, 89.110 ■ 0, 45.405, 89.110

■ 88, 45.405, 89.110

■ 98, 45.405, 89.110

■ 38, 45.405, 89.110 ■ 38, 45.405, 89.110

■ 38, 45.782, 88.961 ■ 39, 42.803, 90.361

■ 39, 39.560, 91.603

■ 40, 35.412, 92.803

■ 41, 30.694, 93.984

■ 42, 25.649, 95.155

■ 42, 20.435, 96.314

■ 43, 15.148, 97.455

■ 44, 9.847, 98.573

■ 45, 4.563, 99.655

Harmonies

Complementary

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



38, 45.405, 89.110



14, 59.114, 300.930

Rectangle

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



38, 45.405, 89.110



38, 45.405, 139.110



38, 45.405, 269.110



38, 45.405, 319.110

Sweetspot

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



38, 45.404, 89.112



55, 19.567, 97.217



21, 47.795, 25.973



28, 13.457, 96.855



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 45.404, 89.112



49, 54.958, 88.531



42, 53.820, 119.139



22, 2.918, 99.629



41, 48.391, 88.820



81, 82.844, 87.859

Inverse Universe

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



14, 59.114, 300.930



19, 73.829, 301.957



12, 68.009, 308.685



20, 2.950, 281.620



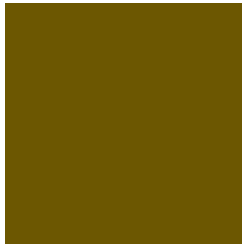
15, 63.869, 301.462



35, 115.561, 302.986

Previews

White Background



This preview shows how the CIELCh color 38, 45.405, 89.110 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 38, 45.405, 89.110 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 38, 45.405, 89.110

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.405, 89.110.

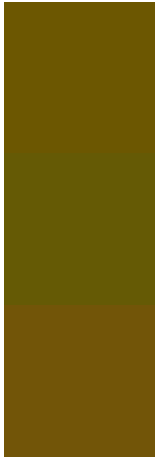


This preview shows how white text looks on a background with the CIELCh color 38, 45.405, 89.110.

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


38, 45.405, 89.110

Protanopia

38, 44.203, 95.781

Deuteranopia

38, 44.032, 83.396



Tritanopia
38, 14.490, 7.092

Trichromacy



Original Color
38, 45.405, 89.110

Protanomaly
38, 44.480, 93.088

Deuteranomaly
38, 44.377, 85.574

Tritanomaly
38, 21.788, 68.638

Monochromacy



Original Color
38, 45.405, 89.110

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 19.362, 95.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.405, 89.110 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(108, 87, 1)` looks like.

```
.text, #text, p{  
    color:rgb(108, 87, 1)  
}
```

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(108, 87, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 87, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.405, 89.110 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(108, 87, 1) }
```

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

```
.border{ border-color:rgb(108, 87, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 87, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 87, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 87, 1);  
box-shadow:4px 4px 4px 4px rgb(108, 87, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.405, 89.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 87, 1) }
```

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

```
.background{ background-color: rgb(108, 87,  
1) }
```

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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