

Converting Colors

CIELCh(38, 45.885, 93.970)

Have a look what the booklet for
CIELCh(38, 45.885, 93.970) contains.

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Color

CIELCh(38, 45.585, 93.786)

Conversions

Conversions Part 1

Format	Color
Hex	675900
RGB	103, 89, 0
RGB Percent	40%, 35%, 0%
CMY	0.5950, 0.6500, 0.9988
CMYK	0.00, 0.14, 1.00, 0.59
HSL	52°, 99%, 20%
HSV	52°, 100%, 41%
XYZ	9.2212, 10.0881, 1.4695
YIQ	83.0400, 36.9130, -24.7110

Conversions

Conversions Part 2

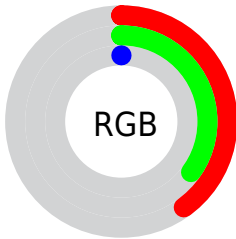
Format	Color
RYB	16, 103, 0
Decimal	6772992
CIELab	38.00, -3.01, 45.49
CIElCh	38, 45.585, 93.786
Yxy	10.0881, 0.4438, 0.4855
Android (android.graphics.Color)	4284963072 (0xFF675900)
YUV	83.0400, -40.9387, 17.5049
Hunter-Lab	31.7617, -3.7601, 19.4900

Details

The CIELCh color **38, 45.585, 93.786** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **11, 61.252, 302.962**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.708, 94.289**, and **18, 25.961, 94.058** is the 20% darker color. If you saturate the color by 10%, you get **38, 45.665, 93.762**, and if you desaturate by 10%, it is **38, 43.025, 94.729**.

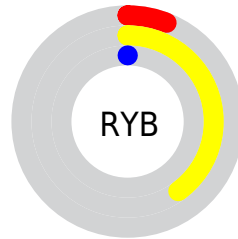
Distribution



Red (40%)

Green (35%)

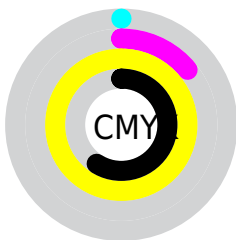
Blue (0%)



Red (6%)

Yellow (40%)

Blue (0%)

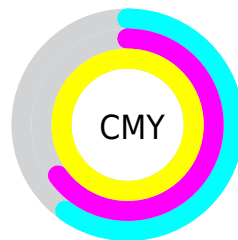


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (59%)



Cyan (60%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 45.585, 93.786 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, 45.585, 93.786 by changing the saturation by 10% instead.

■ 38, 45.585, 93.786

■ 38, 45.585, 93.786

■ 100, 45.585,
93.786

■ 28, 45.585, 93.786

■ 58, 45.585, 93.786

■ 18, 45.585, 93.786

■ 68, 45.585, 93.786

■ 8, 45.585, 93.786

■ 78, 45.585, 93.786

■ 0, 45.585, 93.786

■ 88, 45.585, 93.786

■ 98, 45.585, 93.786

■ 38, 45.585, 93.786

■ 38, 45.585, 93.786

■ 38, 45.665, 93.762

■ 38, 43.025, 94.729

■ 39, 40.018, 95.708

■ 39, 36.068, 96.713

■ 40, 31.484, 97.745

■ 41, 26.508, 98.797

■ 41, 21.305, 99.859

■ 42, 15.983,
100.919

■ 42, 10.607,
101.967

■ 43, 5.218, 102.991

Harmonies

Complementary

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



38, 45.585, 93.786



11, 61.252, 302.962

Rectangle

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



38, 45.585, 93.786



38, 45.585, 143.786



38, 45.585, 273.786



38, 45.585, 323.786

Sweetspot

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



38, 45.584, 93.788



54, 20.121, 100.796



20, 47.745, 29.461



28, 13.826, 100.468



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 45.584, 93.788



49, 55.222, 93.467



40, 53.046, 121.359



21, 2.984, 103.072



42, 49.157, 93.639



84, 84.851, 93.009

Inverse Universe

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



11, 61.252, 302.962



17, 76.124, 303.676



12, 65.647, 309.573



19, 3.027, 284.940



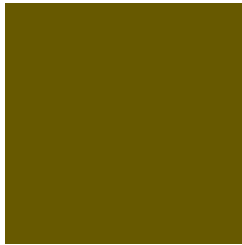
13, 66.811, 303.298



33, 120.911, 304.538

Previews

White Background



This preview shows how the CIELCh color 38, 45.585, 93.786 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 38, 45.585, 93.786 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, 45.585, 93.786

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.585, 93.786.



This preview shows how white text looks on a background with the CIELCh color 38, 45.585, 93.786.

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, 45.585, 93.786

Protanopia

38, 44.785, 95.781

Deuteranopia

38, 43.281, 83.869



Tritanopia
38, 11.449, 2.514

Trichromacy



Original Color
38, 45.585, 93.786

Protanomaly
38, 45.157, 95.135

Deuteranomaly
38, 44.070, 88.260

Tritanomaly
38, 20.109, 76.973

Monochromacy



Original Color
38, 45.585, 93.786

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 19.699, 99.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.585, 93.786 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(103, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 89, 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(103, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 89, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.585, 93.786 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(103, 89, 0) }
```

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

```
.border{ border-color:rgb(103, 89, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 89, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.585, 93.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 89, 0) }
```

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

```
.background{ background-color: rgb(103, 89,  
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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