

Converting Colors

CIELCh(38, 46.659, 82.059)

Have a look what the booklet for
CIELCh(38, 46.659, 82.059) contains.

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Color

CIELCh(38, 46.659, 82.059)

Conversions

Conversions Part 1

Format	Color
Hex	745400
RGB	116, 84, 0
RGB Percent	45%, 33%, 0%
CMY	0.5444, 0.6700, 0.9993
CMYK	0.00, 0.28, 1.00, 0.54
HSL	43°, 100%, 23%
HSV	43°, 100%, 46%
XYZ	10.4073, 10.0881, 1.4033
YIQ	83.9920, 46.0360, -19.3400

Conversions

Conversions Part 2

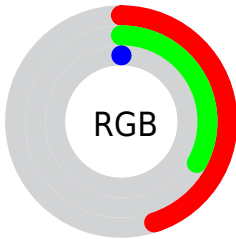
Format	Color
RYB	44, 116, 0
Decimal	7623680
CIELab	38.00, 6.45, 46.21
CIELCh	38, 46.659, 82.059
Yxy	10.0881, 0.4752, 0.4607
Android (android.graphics.Color)	4285813760 (0xFF745400)
YUV	83.9920, -41.4081, 28.0710
Hunter-Lab	31.7617, 2.9058, 19.6136

Details

The CIELCh color **38, 46.659, 82.059** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **17, 57.087, 298.068**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 46.410, 81.802**, and **18, 27.211, 73.746** is the 20% darker color. If you saturate the color by 10%, you get **38, 46.705, 82.040**, and if you desaturate by 10%, it is **39, 43.795, 83.689**.

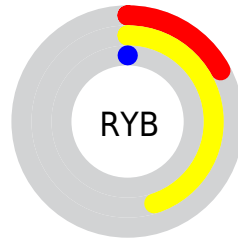
Distribution



Red (45%)

Green (33%)

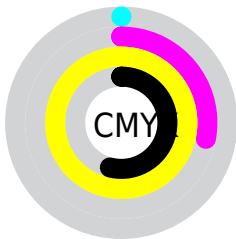
Blue (0%)



Red (17%)

Yellow (45%)

Blue (0%)

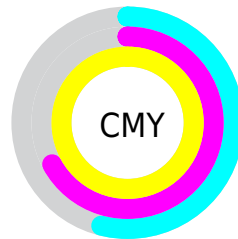


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 46.659, 82.059 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, 46.659, 82.059 by changing the saturation by 10% instead.

■ 38, 46.659, 82.059

■ 38, 46.659, 82.059

■ 100, 46.659,
82.059

■ 28, 46.659, 82.059

■ 58, 46.659, 82.059

■ 18, 46.659, 82.059

■ 68, 46.659, 82.059

■ 8, 46.659, 82.059

■ 78, 46.659, 82.059

■ 0, 46.659, 82.059

■ 88, 46.659, 82.059

■ 98, 46.659, 82.059

■ 38, 46.659, 82.059

■ 38, 46.659, 82.059

■ 38, 46.705, 82.040

■ 39, 43.795, 83.689

■ 40, 40.388, 85.281

■ 41, 36.053, 86.723

■ 42, 31.178, 88.083

■ 43, 26.027, 89.395

■ 44, 20.763, 90.671

■ 45, 15.481, 91.916

■ 46, 10.232, 93.125

■ 48, 5.041, 94.290

Harmonies

Complementary

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



38, 46.659, 82.059



17, 57.087, 298.068

Rectangle

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



38, 46.659, 82.059



38, 46.659, 132.059



38, 46.659, 262.059



38, 46.659, 312.059

Sweetspot

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



38, 46.658, 82.062



58, 19.236, 91.805



23, 48.743, 19.961



29, 13.249, 91.392



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 46.658, 82.062



49, 56.211, 81.425



45, 55.716, 115.138



24, 2.899, 94.382



40, 48.466, 81.906



78, 81.874, 80.539

Inverse Universe

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



17, 57.087, 298.068



23, 70.714, 298.958



12, 73.181, 307.700



23, 2.915, 276.547



18, 59.693, 298.297



40, 106.864, 300.085

Previews

White Background



This preview shows how the CIELCh color 38, 46.659, 82.059 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 CIELCh color 38, 46.659, 82.059 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, 46.659, 82.059

Background



This preview shows how black text looks on a background with the CIELCh color 38, 46.659, 82.059.



This preview shows how white text looks on a background with the CIELCh color 38, 46.659, 82.059.

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, 46.659, 82.059

Protanopia

38, 43.635, 95.779

Deuteranopia

38, 46.377, 83.987



Tritanopia
38, 18.988, 11.449

Trichromacy



Original Color
38, 46.659, 82.059

Protanomaly
38, 44.293, 90.362

Deuteranomaly
38, 46.570, 83.400

Tritanomaly
38, 25.537, 58.861

Monochromacy



Original Color
38, 46.659, 82.059

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 19.342, 89.572

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 46.659, 82.059 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(116, 84, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 84, 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(116, 84, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 84, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 46.659, 82.059 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(116, 84, 0) }
```

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

```
.border{ border-color:rgb(116, 84, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 84, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 84, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 84, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 84, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 46.659, 82.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 84, 0) }
```

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

```
.background{ background-color: rgb(116, 84,  
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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