

Converting Colors

CIELCh(38, 38.781, 106.978)

Have a look what the booklet for
CIELCh(38, 38.781, 106.978)
contains.

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Color

CIELCh(38, 38.763, 106.945)

Conversions

Conversions Part 1

Format	Color
Hex	595D18
RGB	89, 93, 24
RGB Percent	35%, 36%, 9%
CMY	0.6497, 0.6341, 0.9046
CMYK	0.04, 0.00, 0.74, 0.63
HSL	63°, 59%, 23%
HSV	63°, 74%, 37%
XYZ	8.2589, 10.0881, 2.3932
YIQ	83.9380, 19.7650, -22.3070

Conversions

Conversions Part 2

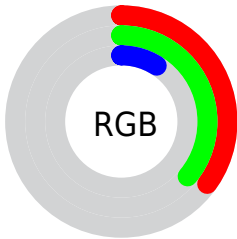
Format	Color
RYB	24, 93, 28
Decimal	5856536
CIELab	38.00, -11.30, 37.08
CIELCh	38, 38.763, 106.945
Yxy	10.0881, 0.3982, 0.4864
Android (android.graphics.Color)	4284046616 (0xFF595D18)
YUV	83.9380, -29.5494, 4.4394
Hunter-Lab	31.7617, -9.1683, 17.7658

Details

The CIELCh color **38, 38.763, 106.945** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **14, 47.944, 302.418**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 38.887, 106.920**, and **18, 27.311, 111.154** is the 20% darker color. If you saturate the color by 10%, you get **38, 42.267, 106.555**, and if you desaturate by 10%, it is **38, 34.493, 107.499**.

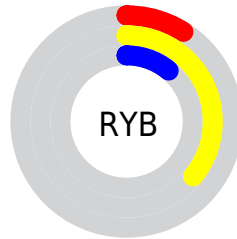
Distribution



Red (35%)

Green (36%)

Blue (9%)



Red (9%)

Yellow (36%)

Blue (11%)

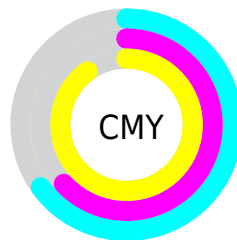


Cyan (4%)

Magenta (0%)

Yellow (74%)

Black (63%)



Cyan (65%)


Magenta (63%)


Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 38.763, 106.945 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, 38.763, 106.945 by changing the saturation by 10% instead.


 38, 38.763,
106.945


 38, 38.763,
106.945

 100, 38.763,
106.945


 28, 38.763,
106.945

 58, 38.763,
106.945


 18, 38.763,
106.945


 68, 38.763,
106.945

 8, 38.763, 106.945

 78, 38.763,
106.945

 0, 38.763, 106.945

 88, 38.763,
106.945

 98, 38.763,
106.945

■ 38, 38.763,
106.945

■ 38, 38.763,
106.945

■ 38, 42.267,
106.555

■ 38, 34.493,
107.499

■ 38, 44.931,
106.332

■ 38, 29.680,
108.165

■ 38, 46.568,
106.186

■ 38, 24.506,
108.907

■ 39, 19.100,
109.696

■ 39, 13.550,
110.507

■ 39, 7.916, 111.324

■ 39, 2.238, 112.127

■ 40, 3.458, 292.939

Harmonies

Complementary

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



38, 38.763, 106.945



14, 47.944, 302.418

Rectangle

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



38, 38.763, 106.945



38, 38.763, 156.945



38, 38.763, 286.945



38, 38.763, 336.945

Sweetspot

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



38, 38.763, 106.947



51, 15.579, 110.608



21, 35.076, 32.327



25, 10.362, 110.475



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 38.763, 106.947



49, 53.730, 106.386



36, 42.876, 127.999



19, 3.141, 111.740



44, 52.165, 106.252



90, 91.973, 106.470

Inverse Universe

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



14, 47.944, 302.418



15, 71.152, 305.182



18, 46.830, 313.803



17, 3.203, 293.208



10, 71.495, 306.603



30, 126.398, 306.416

Previews

White Background



This preview shows how the CIELCh color 38, 38.763, 106.945 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, 38.763, 106.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

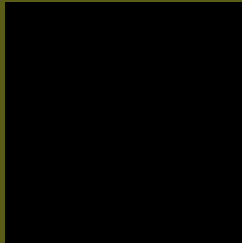
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 38.763, 106.945

Background



This preview shows how black text looks on a background with the CIELCh color 38, 38.763, 106.945.



This preview shows how white text looks on a background with the CIELCh color 38, 38.763, 106.945.

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

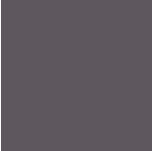
38, 38.763, 106.945

Protanopia

38, 38.210, 96.414

Deuteranopia

38, 36.398, 82.321



Tritanopia
38, 5.488, 328.470

Trichromacy



Original Color
38, 38.763, 106.945

Protanomaly
38, 38.353, 100.232

Deuteranomaly
38, 36.215, 91.419

Tritanomaly
38, 12.358, 99.643

Monochromacy



Original Color
38, 38.763, 106.945

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 15.307, 109.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 38.763, 106.945 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(89, 93, 24)` looks like.

```
.text, #text, p{  
    color:rgb(89, 93, 24)  
}
```

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(89, 93, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 93, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 38.763, 106.945 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(89, 93, 24) }
```

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

```
.border{ border-color:rgb(89, 93, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 93, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 93, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 93, 24);  
box-shadow:4px 4px 4px 4px rgb(89, 93, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 38.763, 106.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 93, 24) }
```

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

```
.background{ background-color: rgb(89, 93,  
24) }
```

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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