

Converting Colors

CIELCh(38, 30.772, 108.302)

Have a look what the booklet for
CIELCh(38, 30.772, 108.302)
contains.

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Color

CIELCh(38, 31.138, 108.786)

Conversions

Conversions Part 1

Format	Color
Hex	595D28
RGB	89, 93, 40
RGB Percent	35%, 36%, 16%
CMY	0.6513, 0.6356, 0.8434
CMYK	0.04, 0.00, 0.57, 0.64
HSL	65°, 40%, 26%
HSV	65°, 57%, 36%
XYZ	8.4018, 10.0881, 3.5054
YIQ	85.7620, 14.6290, -17.3310

Conversions

Conversions Part 2

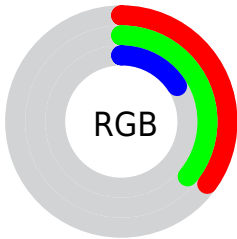
Format	Color
RYB	40, 93, 44
Decimal	5856552
CIELab	38.00, -10.03, 29.48
CIElCh	38, 31.138, 108.786
Yxy	10.0881, 0.3820, 0.4586
Android (android.graphics.Color)	4284046632 (0xFF595D28)
YUV	85.7620, -22.5607, 2.8397
Hunter-Lab	31.7617, -8.3652, 15.6896

Details

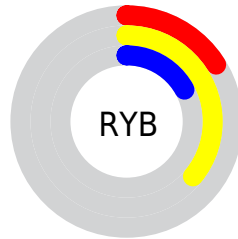
The CIELCh color **38, 31.138, 108.786** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **19, 36.062, 299.880**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 31.110, 108.943**, and **18, 27.247, 109.992** is the 20% darker color. If you saturate the color by 10%, you get **38, 35.798, 108.182**, and if you desaturate by 10%, it is **38, 26.071, 109.485**.

Distribution



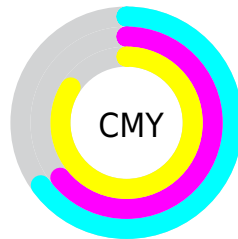
- Red (35%)
- Green (36%)
- Blue (16%)



- Red (16%)
- Yellow (36%)
- Blue (17%)



- Cyan (4%)
- Magenta (0%)
- Yellow (57%)
- Black (64%)





- Cyan (65%)
- Magenta (64%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 31.138, 108.786 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, 31.138, 108.786 by changing the saturation by 10% instead.


 38, 31.138,
108.786


 38, 31.138,
108.786

 100, 31.138,
108.786


 28, 31.138,
108.786

 58, 31.138,
108.786


 18, 31.138,
108.786


 68, 31.138,
108.786

 8, 31.138, 108.786

 78, 31.138,
108.786

 0, 31.138, 108.786

 88, 31.138,
108.786

 98, 31.138,
108.786

■ 38, 31.138,
108.786

■ 38, 31.138,
108.786

■ 38, 35.798,
108.182

■ 38, 26.071,
109.485

■ 38, 39.854,
107.710

■ 38, 20.738,
110.237

■ 38, 43.077,
107.420

■ 39, 15.239,
111.019

■ 37, 45.684,
107.258

■ 39, 9.640, 111.812

■ 39, 3.986, 112.598

■ 37, 46.505,
107.195

■ 40, 1.692, 293.390

■ 40, 7.374, 294.134

■ 40, 13.044,
294.858

■ 41, 18.691,

Harmonies

Complementary

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



38, 31.138, 108.786



19, 36.062, 299.880

Rectangle

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



38, 31.138, 108.786



38, 31.138, 158.786



38, 31.138, 288.786



38, 31.138, 338.786

Sweetspot

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



38, 31.139, 108.788



50, 11.863, 111.774



24, 25.596, 29.926



25, 7.995, 111.678



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, 31.139, 108.788



48, 44.402, 108.023



36, 34.285, 128.942



19, 3.144, 112.459



44, 52.244, 107.282



90, 92.130, 107.566

Inverse Universe

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



19, 36.062, 299.880



21, 53.974, 302.058



22, 36.575, 313.785



17, 3.205, 293.880



10, 71.385, 306.700



30, 126.291, 306.467

Previews

White Background



This preview shows how the CIELCh color 38, 31.138, 108.786 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 CIELCh color 38, 31.138, 108.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

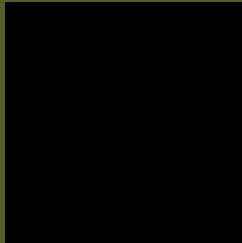
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 31.138, 108.786

Background



This preview shows how black text looks on a background with the CIELCh color 38, 31.138, 108.786.



This preview shows how white text looks on a background with the CIELCh color 38, 31.138, 108.786.

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

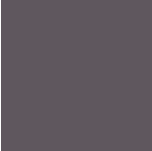
38, 31.138, 108.786

Protanopia

38, 30.487, 96.844

Deuteranopia

38, 29.081, 80.332



Tritanopia
38, 5.488, 328.470

Trichromacy



Original Color
38, 31.138, 108.786

Protanomaly
38, 30.683, 101.526

Deuteranomaly
38, 28.977, 91.641

Tritanomaly
38, 9.354, 97.561

Monochromacy



Original Color
38, 31.138, 108.786

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 12.267, 112.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 31.138, 108.786 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(89, 93, 40)` looks like.

```
.text, #text, p{  
    color:rgb(89, 93, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 93, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 31.138, 108.786 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(89, 93, 40) }
```

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

```
.border{ border-color:rgb(89, 93, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 93, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 93, 40);  
box-shadow:4px 4px 4px 4px rgb(89, 93, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 31.138, 108.786 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, 40) }
```

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

```
.background{ background-color: rgb(89, 93,  
40) }
```

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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