

Converting Colors

CIELCh(38, 37.481, 107.490)

Have a look what the booklet for
CIELCh(38, 37.481, 107.490)
contains.

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Color

CIELCh(38, 37.471, 107.237)

Conversions

Conversions Part 1

Format	Color
Hex	595D1B
RGB	89, 93, 27
RGB Percent	35%, 36%, 11%
CMY	0.6500, 0.6343, 0.8931
CMYK	0.04, 0.00, 0.71, 0.63
HSL	64°, 55%, 24%
HSV	64°, 71%, 37%
XYZ	8.2806, 10.0881, 2.5626
YIQ	84.2800, 18.8020, -21.3740

Conversions

Conversions Part 2

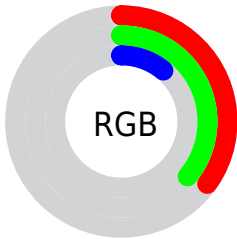
Format	Color
RYB	27, 93, 31
Decimal	5856539
CIELab	38.00, -11.10, 35.79
CIELCh	38, 37.471, 107.237
Yxy	10.0881, 0.3956, 0.4820
Android (android.graphics.Color)	4284046619 (0xFF595D1B)
YUV	84.2800, -28.2390, 4.1394
Hunter-Lab	31.7617, -9.0462, 17.4495

Details

The CIELCh color **38, 37.471, 107.237** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 45.752, 301.907**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 37.364, 107.148**, and **18, 27.311, 111.154** is the 20% darker color. If you saturate the color by 10%, you get **38, 41.243, 106.797**, and if you desaturate by 10%, it is **38, 33.008, 107.827**.

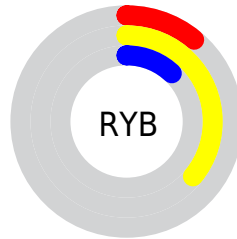
Distribution



Red (35%)

Green (36%)

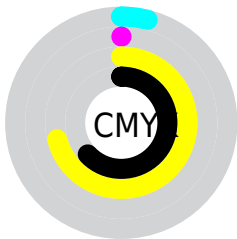
Blue (11%)



Red (11%)

Yellow (36%)

Blue (12%)

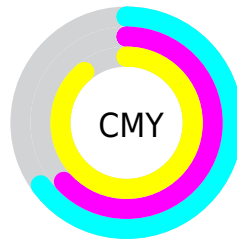


Cyan (4%)

Magenta (0%)

Yellow (71%)

Black (63%)



Cyan (65%)


Magenta (63%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 37.471, 107.237 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, 37.471, 107.237 by changing the saturation by 10% instead.


 38, 37.471,
107.237


 38, 37.471,
107.237

 100, 37.471,
107.237


 28, 37.471,
107.237

 58, 37.471,
107.237


 18, 37.471,
107.237


 68, 37.471,
107.237

 8, 37.471, 107.237

 78, 37.471,
107.237

 0, 37.471, 107.237

 88, 37.471,
107.237

 98, 37.471,
107.237

■ 38, 37.471,
107.237

■ 38, 37.471,
107.237

■ 38, 41.243,
106.797

■ 38, 33.008,
107.827

■ 38, 44.107,
106.543

■ 38, 28.066,
108.517

■ 38, 46.557,
106.338

■ 39, 22.808,
109.273

■ 39, 17.351,
110.067

■ 39, 11.771,
110.878

■ 39, 6.122, 111.690

■ 40, 0.438, 112.442

■ 40, 5.257, 293.284

■ 40, 10.946,
294.039

Harmonies

Complementary

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



38, 37.471, 107.237



15, 45.752, 301.907

Rectangle

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



38, 37.471, 107.237



38, 37.471, 157.237



38, 37.471, 287.237



38, 37.471, 337.237

Sweetspot

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



38, 37.471, 107.239



51, 14.878, 110.805



21, 33.361, 31.580



25, 9.969, 110.665



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, 37.471, 107.239



49, 52.525, 106.600



36, 41.365, 128.031



19, 3.142, 111.848



44, 52.176, 106.407



90, 91.994, 106.636

Inverse Universe

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



15, 45.752, 301.907



16, 68.545, 304.672



19, 45.023, 313.733



17, 3.204, 293.309



10, 71.478, 306.618



30, 126.383, 306.423

Previews

White Background



This preview shows how the CIELCh color 38, 37.471, 107.237 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, 37.471, 107.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

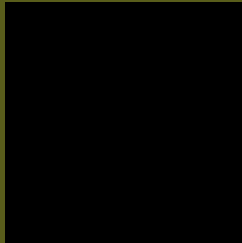
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 37.471, 107.237

Background



This preview shows how black text looks on a background with the CIELCh color 38, 37.471, 107.237.



This preview shows how white text looks on a background with the CIELCh color 38, 37.471, 107.237.

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

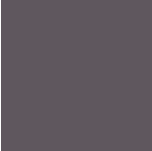
38, 37.471, 107.237

Protanopia

38, 36.920, 96.375

Deuteranopia

38, 35.482, 81.932



Tritanopia
38, 5.488, 328.470

Trichromacy



Original Color
38, 37.471, 107.237

Protanomaly
38, 37.067, 100.315

Deuteranomaly
38, 35.295, 91.258

Tritanomaly
38, 11.757, 99.333

Monochromacy



Original Color
38, 37.471, 107.237

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 14.678, 109.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 37.471, 107.237 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(89, 93, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 93, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 37.471, 107.237 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, 27) }
```

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

```
.border{ border-color:rgb(89, 93, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 93, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 93, 27);  
box-shadow:4px 4px 4px 4px rgb(89, 93, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 37.471, 107.237 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, 27) }
```

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

```
.background{ background-color: rgb(89, 93,  
27) }
```

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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