

Converting Colors

CIELCh(38, 1.556, 110.062)

Have a look what the booklet for
CIELCh(38, 1.556, 110.062) contains.

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Color

CIELCh(38, 1.835, 109.865)

Conversions

Conversions Part 1

Format	Color
Hex	5A5A57
RGB	90, 90, 87
RGB Percent	35%, 35%, 34%
CMY	0.6485, 0.6485, 0.6603
CMYK	0.00, 0.00, 0.03, 0.65
HSL	60°, 2%, 35%
HSV	60°, 3%, 35%
XYZ	9.5115, 10.0881, 10.3846
YIQ	89.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

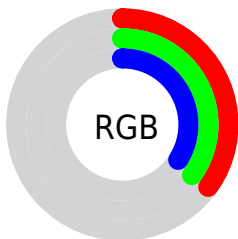
Format	Color
R_{YB}	87, 90, 87
Decimal	5921367
CIE Lab	38.00, -0.62, 1.73
CIE LCh	38, 1.835, 109.865
Yxy	10.0881, 0.3172, 0.3364
Android (android.graphics.Color)	4284111447 (0xFF5A5A57)
YUV	89.6580, -1.3104, 0.2999
Hunter-Lab	31.7617, -2.1283, 2.8481

Details

The CIELCh color **38, 1.835, 109.865** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 1.859, 290.522**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 1.694, 109.951**, and **18, 2.118, 122.769** is the 20% darker color. If you saturate the color by 10%, you get **38, 7.324, 109.016**, and if you desaturate by 10%, it is **38, 3.668, 290.790**.

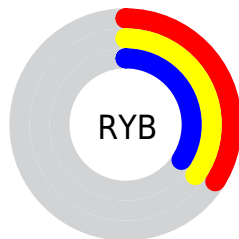
Distribution



Red (35%)

Green (35%)

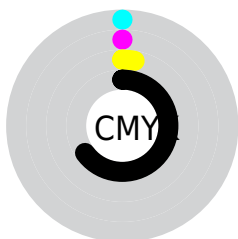
Blue (34%)



Red (34%)

Yellow (35%)

Blue (34%)

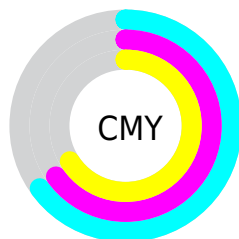


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (65%)



Cyan (65%)

Magenta (65%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 1.835, 109.865 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, 1.835, 109.865 by changing the saturation by 10% instead.

■ 38, 1.835, 109.865

■ 38, 1.835, 109.865

■ 100, 1.835,
109.865

■ 28, 1.835, 109.865

■ 58, 1.835, 109.865

■ 18, 1.835, 109.865

■ 68, 1.835, 109.865

■ 8, 1.835, 109.865

■ 78, 1.835, 109.865

■ 0, 1.835, 109.865

■ 88, 1.835, 109.865

■ 98, 1.835, 109.865

■ 38, 1.835, 109.865

■ 38, 1.835, 109.865

■ 38, 7.324, 109.016

■ 38, 3.668, 290.790

■ 38, 12.772,
108.124

■ 39, 9.170, 291.633

■ 37, 18.143,
107.236

■ 39, 14.658,
292.452

■ 37, 23.382,
106.370

■ 39, 20.124,
293.240

■ 37, 28.405,
105.544

■ 40, 25.561,
293.992

■ 37, 33.092,
104.782

■ 40, 30.964,
294.708

■ 37, 37.272,
104.113

■ 41, 36.326,
295.387

■ 37, 40.732,
103.570

■ 41, 41.646,
296.028

■ 37, 43.390,
103.160

■ 42, 46.918,
296.632

Harmonies

Complementary

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



38, 1.835, 109.865



37, 1.859, 290.522

Rectangle

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



38, 1.835, 109.865



38, 1.835, 159.865



38, 1.835, 289.865



38, 1.835, 339.865

Sweetspot

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



38, 1.836, 109.889



49, 0.680, 110.048



37, 1.283, 19.350



25, 0.382, 110.050



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



38, 1.836, 109.889



49, 2.740, 109.823



38, 1.952, 128.969



19, 1.568, 109.798



45, 52.043, 102.888



91, 91.731, 102.890

Inverse Universe

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



37, 1.859, 290.522



48, 2.775, 290.591



37, 1.970, 309.169



18, 1.588, 290.617



10, 71.858, 306.291



30, 126.662, 306.289

Previews

White Background



This preview shows how the CIELCh color 38, 1.835, 109.865 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, 1.835, 109.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

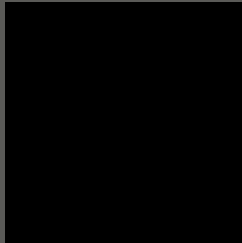
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

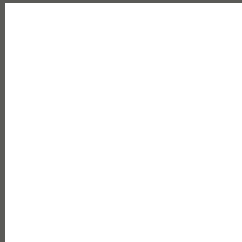
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 1.835, 109.865

Background



This preview shows how black text looks on a background with the CIELCh color 38, 1.835, 109.865.



This preview shows how white text looks on a background with the CIELCh color 38, 1.835, 109.865.

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, 1.835, 109.865

Protanopia

38, 2.237, 74.596

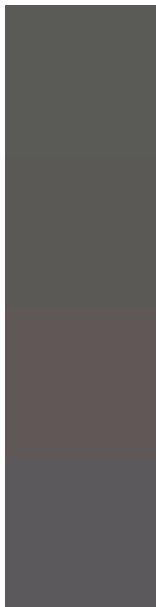
Deuteranopia

38, 5.674, 13.985



Tritanopia
38, 4.507, 306.851

Trichromacy



Original Color
38, 1.835, 109.865

Protanomaly
38, 2.021, 84.702

Deuteranomaly
38, 3.887, 19.873

Tritanomaly
38, 2.040, 314.745

Monochromacy



Original Color
38, 1.835, 109.865

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 0.609, 110.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 1.835, 109.865 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(90, 90, 87)` looks like.

```
.text, #text, p{  
    color:rgb(90, 90, 87)  
}
```

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(90, 90, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 90, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 1.835, 109.865 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(90, 90, 87) }
```

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

```
.border{ border-color:rgb(90, 90, 87) }
```

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

Here you see how a box with a 4 pixel rgb(90, 90, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 90, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 90, 87);  
box-shadow:4px 4px 4px 4px rgb(90, 90, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 1.835, 109.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 90, 87) }
```

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

```
.background{ background-color: rgb(90, 90,  
87) }
```

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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