

Converting Colors

CIELCh(38, 5.698, 35.547)

Have a look what the booklet for
CIELCh(38, 5.698, 35.547) contains.

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Color

CIELCh(38, 5.583, 39.184)

Conversions

Conversions Part 1

Format	Color
Hex	635754
RGB	99, 87, 84
RGB Percent	39%, 34%, 33%
CMY	0.6121, 0.6592, 0.6709
CMYK	0.00, 0.12, 0.15, 0.61
HSL	12°, 8%, 36%
HSV	12°, 15%, 39%
XYZ	10.1332, 10.0881, 9.7824
YIQ	90.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

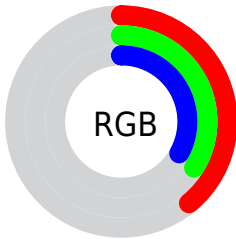
Format	Color
RYB	99, 88, 84
Decimal	6510420
CIELab	38.00, 4.33, 3.53
CIELCh	38, 5.583, 39.184
Yxy	10.0881, 0.3377, 0.3362
Android (android.graphics.Color)	4284700500 (0xFF635754)
YUV	90.2460, -3.0793, 7.6773
Hunter-Lab	31.7617, 1.3654, 3.9722

Details

The CIELCh color **38, 5.583, 39.184** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 5.099, 220.007**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 5.697, 43.184**, and **18, 5.453, 42.467** is the 20% darker color. If you saturate the color by 10%, you get **35, 9.631, 39.182**, and if you desaturate by 10%, it is **41, 1.829, 39.216**.

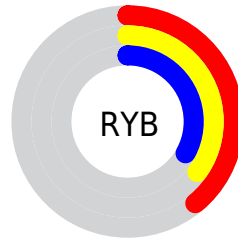
Distribution



Red (39%)

Green (34%)

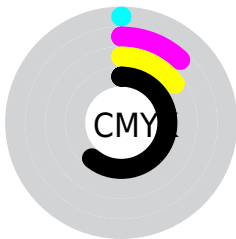
Blue (33%)



Red (39%)

Yellow (35%)

Blue (33%)

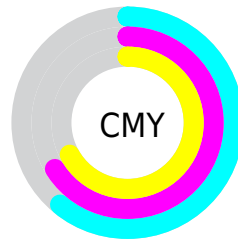


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (61%)



Cyan (61%)

Magenta (66%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 5.583, 39.184 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, 5.583, 39.184 by changing the saturation by 10% instead.

 38, 5.583, 39.184  38, 5.583, 39.184

 100, 5.583, 39.184  28, 5.583, 39.184

 58, 5.583, 39.184  18, 5.583, 39.184

 68, 5.583, 39.184  8, 5.583, 39.184

 78, 5.583, 39.184  0, 5.583, 39.184

 88, 5.583, 39.184

 98, 5.583, 39.184

 38, 5.583, 39.184  38, 5.583, 39.184

 35, 9.631, 39.182  41, 1.829, 39.216

 33, 13.995, 39.276  43, 1.655, 219.803

■ 31, 18.684, 39.521

■ 46, 4.895, 219.939

■ 28, 23.692, 39.948

■ 48, 7.918, 220.220

■ 26, 28.982, 40.580

■ 51, 10.749,
220.544

■ 24, 34.465, 41.405

■ 54, 13.410,
220.890

■ 23, 39.900, 42.255

■ 21, 44.229, 42.016

■ 56, 15.920,
221.250

■ 21, 46.131, 42.056

■ 59, 18.299,
221.617

■ 62, 20.561,
221.986

Harmonies

Complementary

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



38, 5.583, 39.184



40, 5.099, 220.007

Rectangle

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



38, 5.583, 39.184



38, 5.583, 89.184



38, 5.583, 219.184



38, 5.583, 269.184

Sweetspot

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



38, 5.582, 39.198



52, 2.183, 39.216



38, 9.726, 331.396



26, 1.479, 39.223



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 5.582, 39.198



48, 8.273, 39.184



40, 6.658, 91.942



19, 1.982, 39.231



24, 51.734, 42.864



52, 95.201, 43.115

Inverse Universe

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



40, 5.099, 220.007



50, 7.393, 220.138



38, 6.678, 275.600



19, 1.883, 219.828



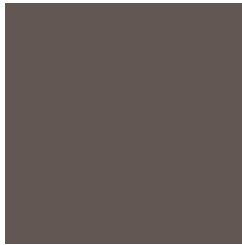
35, 23.893, 233.687



72, 42.000, 236.311

Previews

White Background



This preview shows how the CIELCh color 38, 5.583, 39.184 looks on a white background.

Color Contrast Check

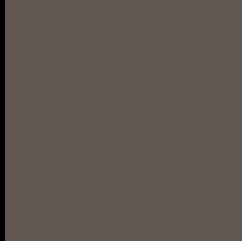
Large Text (above 18pt) WCAG AA ✓ Pass

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, 5.583, 39.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

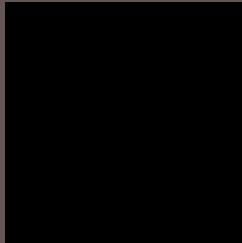
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 5.583, 39.184

Background



This preview shows how black text looks on a background with the CIELCh color 38, 5.583, 39.184.



This preview shows how white text looks on a background with the CIELCh color 38, 5.583, 39.184.

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, 5.583, 39.184

Protanopia

38, 2.763, 81.789

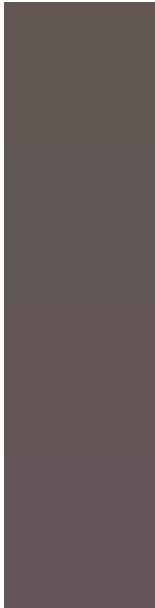
Deuteranopia

38, 6.280, 31.407



Tritanopia
38, 7.021, 348.840

Trichromacy



Original Color

38, 5.583, 39.184

Protanomaly

38, 3.548, 50.842

Deuteranomaly

38, 6.280, 31.407

Tritanomaly

38, 6.312, 3.389

Monochromacy



Original Color

38, 5.583, 39.184

Achromatopsia

38, 0.005, 296.813

Achromatomaly

38, 1.812, 39.205

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 5.583, 39.184 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(99, 87, 84)` looks like.

```
.text, #text, p{  
    color:rgb(99, 87, 84)  
}
```

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(99, 87, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 87, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 5.583, 39.184 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(99, 87, 84) }
```

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

```
.border{ border-color:rgb(99, 87, 84) }
```

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

Here you see how a box with a 4 pixel rgb(99, 87, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 87, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 87, 84);  
box-shadow:4px 4px 4px 4px rgb(99, 87, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 5.583, 39.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 87, 84) }
```

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

```
.background{ background-color: rgb(99, 87,  
84) }
```

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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