

Converting Colors

CIELCh(38, 1.652, 215.979)

Have a look what the booklet for
CIELCh(38, 1.652, 215.979) contains.

CIELCh(38, 1.766, 219.779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 1.766, 219.779)

Conversions

Conversions Part 1

Format	Color
Hex	565A5B
RGB	86, 90, 91
RGB Percent	34%, 35%, 36%
CMY	0.6620, 0.6463, 0.6424
CMYK	0.05, 0.01, 0.00, 0.64
HSL	192°, 3%, 35%
HSV	192°, 5%, 36%
XYZ	9.4216, 10.0881, 11.3890
YIQ	88.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

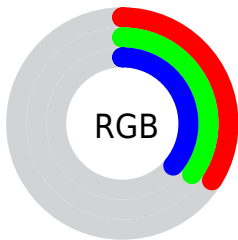
Format	Color
RYB	86, 88, 91
Decimal	5659227
CIELab	38.00, -1.36, -1.13
CIElCh	38, 1.766, 219.779
Yxy	10.0881, 0.3049, 0.3265
Android (android.graphics.Color)	4283849307 (0xFF565A5B)
YUV	88.9180, 1.0264, -2.5591
Hunter-Lab	31.7617, -2.6336, 0.9732

Details

The CIELCh color **38, 1.766, 219.779** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **37, 1.820, 39.170**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 1.640, 219.815**, and **18, 1.859, 199.115** is the 20% darker color. If you saturate the color by 10%, you get **37, 4.869, 219.959**, and if you desaturate by 10%, it is **39, 1.479, 39.145**.

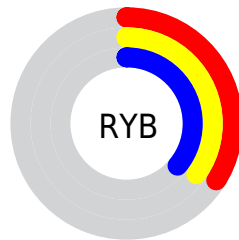
Distribution



Red (34%)

Green (35%)

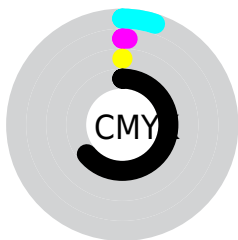
Blue (36%)



Red (34%)

Yellow (35%)

Blue (36%)

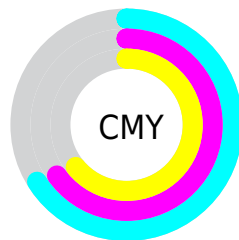


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (64%)



Cyan (66%)


Magenta (65%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 1.766, 219.779 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, 1.766, 219.779 by changing the saturation by 10% instead.

 38, 1.766, 219.779	 38, 1.766, 219.779
 100, 1.766, 219.779	 28, 1.766, 219.779
 58, 1.766, 219.779	 18, 1.766, 219.779
 68, 1.766, 219.779	 8, 1.766, 219.779
 78, 1.766, 219.779	 0, 1.766, 219.779
 88, 1.766, 219.779	
 98, 1.766, 219.779	
 38, 1.766, 219.779	 38, 1.766, 219.779
 37, 4.869, 219.959	 39, 1.479, 39.145

■ 35, 7.792, 220.404

■ 41, 4.836, 39.163

■ 34, 10.496,
221.041

■ 42, 8.276, 39.132

■ 33, 12.937,
221.903

■ 44, 11.778, 39.140

■ 45, 15.321, 39.185

■ 32, 15.076,
223.039

■ 47, 18.890, 39.258

■ 31, 16.878,
224.508

■ 48, 22.474, 39.355

■ 50, 26.063, 39.468

■ 30, 18.322,
226.375

■ 51, 29.647, 39.593

■ 29, 19.404,
228.706

■ 29, 20.231,
231.394

Harmonies

Complementary

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



38, 1.766, 219.779



37, 1.820, 39.170

Rectangle

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



38, 1.766, 219.779



38, 1.766, 269.779



38, 1.766, 39.779



38, 1.766, 89.779

Sweetspot

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



38, 1.766, 219.742



49, 0.799, 219.943



38, 3.299, 149.690



25, 0.450, 219.987



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, 1.766, 219.742



48, 2.763, 219.749



37, 2.202, 273.126



18, 1.446, 219.747



34, 23.498, 233.486



71, 41.649, 236.186

Inverse Universe

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



37, 3.272, 330.776



47, 5.144, 330.889



38, 2.193, 91.758



18, 2.691, 330.880



24, 53.523, 337.582



54, 93.476, 338.330

Previews

White Background



This preview shows how the CIELCh color 38, 1.766, 219.779 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, 1.766, 219.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

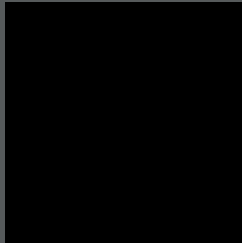
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

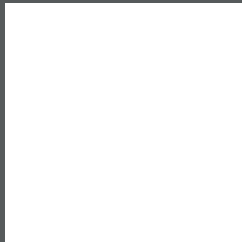
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 1.766, 219.779

Background



This preview shows how black text looks on a background with the CIELCh color 38, 1.766, 219.779.

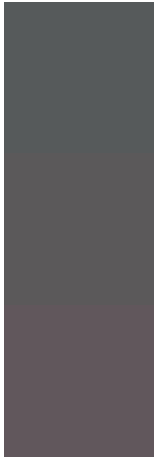


This preview shows how white text looks on a background with the CIELCh color 38, 1.766, 219.779.

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, 1.766, 219.779

Protanopia

38, 1.055, 343.598

Deuteranopia

38, 5.255, 344.408



Tritanopia
38, 4.373, 280.111

Trichromacy



Original Color

38, 1.766, 219.779

Protanomaly

38, 0.620, 290.334

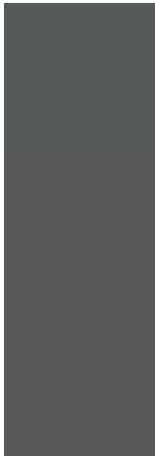
Deuteranomaly

38, 3.259, 330.781

Tritanomaly

38, 3.175, 275.644

Monochromacy



Original Color

38, 1.766, 219.779

Achromatopsia

38, 0.005, 296.813

Achromatomaly

38, 0.743, 255.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 1.766, 219.779 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(86, 90, 91)` looks like.

```
.text, #text, p{  
    color:rgb(86, 90, 91)  
}
```

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(86, 90, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 90, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 1.766, 219.779 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(86, 90, 91) }
```

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

```
.border{ border-color:rgb(86, 90, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 90, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 90, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 90, 91);  
box-shadow:4px 4px 4px 4px rgb(86, 90, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 1.766, 219.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 90, 91) }
```

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

```
.background{ background-color: rgb(86, 90,  
91) }
```

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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