

Converting Colors

CIELCh(38, 5.734, 6.804)

Have a look what the booklet for
CIELCh(38, 5.734, 6.804) contains.

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Color

CIELCh(38, 5.895, 2.072)

Conversions

Conversions Part 1

Format	Color
Hex	635659
RGB	99, 86, 89
RGB Percent	39%, 34%, 35%
CMY	0.6108, 0.6618, 0.6500
CMYK	0.00, 0.13, 0.10, 0.61
HSL	346°, 7%, 36%
HSV	346°, 13%, 39%
XYZ	10.3350, 10.0881, 10.9089
YIQ	90.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

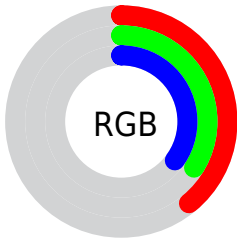
Format	Color
RYB	99, 86, 89
Decimal	6510169
CIELab	38.00, 5.89, 0.21
CIElCh	38, 5.895, 2.072
Yxy	10.0881, 0.3299, 0.3220
Android (android.graphics.Color)	4284700249 (0xFF635659)
YUV	90.2290, -0.6059, 7.6922
Hunter-Lab	31.7617, 2.4996, 1.8694

Details

The CIELCh color $[38, 5.895, 2.072]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[41, 5.640, 179.880]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 5.811, 2.954]$, and $[18, 5.718, 359.646]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 10.619, 3.172]$, and if you desaturate by 10%, it is $[41, 1.365, 0.988]$.

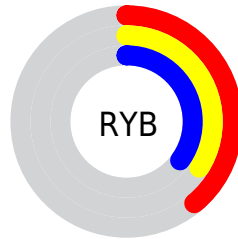
Distribution



Red (39%)

Green (34%)

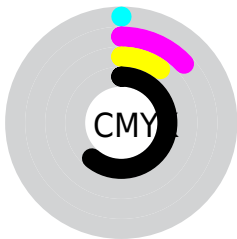
Blue (35%)



Red (39%)

Yellow (34%)

Blue (35%)

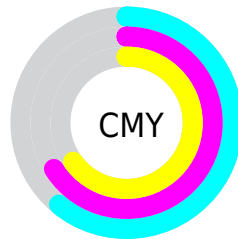


Cyan (0%)

Magenta (13%)

Yellow (10%)

Black (61%)



Cyan (61%)

Magenta (66%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 5.895, 2.072 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, 5.895, 2.072 by changing the saturation by 10% instead.

■ 38, 5.895, 2.072

■ 38, 5.895, 2.072

■ 100, 5.895, 2.072

■ 28, 5.895, 2.072

■ 58, 5.895, 2.072

■ 18, 5.895, 2.072

■ 68, 5.895, 2.072

■ 8, 5.895, 2.072

■ 78, 5.895, 2.072

■ 0, 5.895, 2.072

■ 88, 5.895, 2.072

■ 98, 5.895, 2.072

■ 38, 5.895, 2.072

■ 38, 5.895, 2.072

■ 35, 10.619, 3.172

■ 41, 1.365, 0.988

■ 32, 15.505, 4.440

■ 44, 2.954, 180.504

29, 20.481, 5.954

47, 7.062, 179.731

27, 25.439, 7.795

51, 10.970,
179.077

24, 30.228, 10.071

54, 14.689,
178.494

22, 34.670, 12.909

21, 38.600, 16.436

57, 18.236,
177.967

20, 41.995, 20.651

60, 21.625,
177.486

19, 44.466, 23.358

63, 24.873,
177.044

67, 27.993,
176.637

Harmonies

Complementary

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



38, 5.895, 2.072



41, 5.640, 179.880

Rectangle

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



38, 5.895, 2.072



38, 5.895, 52.072



38, 5.895, 182.072



38, 5.895, 232.072

Sweetspot

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



38, 5.894, 2.080



53, 2.202, 1.131



38, 9.038, 318.320



27, 1.579, 1.204



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 5.894, 2.080



48, 9.056, 2.434



39, 4.659, 46.779



18, 2.450, 1.647



22, 48.767, 24.268



50, 87.656, 28.072

Inverse Universe

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



38, 5.894, 2.080



48, 9.056, 2.434



40, 4.338, 228.286



18, 2.450, 1.647



22, 48.767, 24.268



50, 87.656, 28.072

Previews

White Background



This preview shows how the CIELCh color 38, 5.895, 2.072 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, 5.895, 2.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

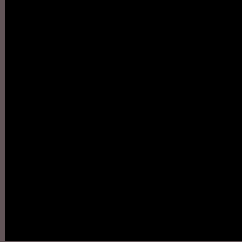
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 5.895, 2.072

Background



This preview shows how black text looks on a background with the CIELCh color 38, 5.895, 2.072.



This preview shows how white text looks on a background with the CIELCh color 38, 5.895, 2.072.

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, 5.895, 2.072

Protanopia

38, 1.503, 324.456

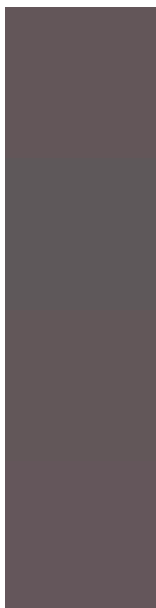
Deuteranopia

38, 4.890, 5.562



Tritanopia
38, 7.021, 348.840

Trichromacy



Original Color

38, 5.895, 2.072

Protanomaly

38, 2.844, 354.143

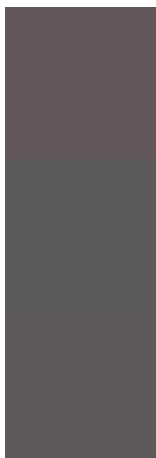
Deuteranomaly

38, 4.890, 5.562

Tritanomaly

38, 6.736, 353.331

Monochromacy



Original Color

38, 5.895, 2.072

Achromatopsia

38, 0.005, 296.813

Achromatomaly

38, 1.813, 359.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 5.895, 2.072 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, 86, 89)` looks like.

```
.text, #text, p{  
    color:rgb(99, 86, 89)  
}
```

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, 86, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 86, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 5.895, 2.072 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, 86, 89) }
```

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

```
.border{ border-color:rgb(99, 86, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 86, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 86, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 86, 89);  
box-shadow:4px 4px 4px 4px rgb(99, 86, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 5.895, 2.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 86, 89) }
```

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

```
.background{ background-color: rgb(99, 86,  
89) }
```

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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