

Converting Colors

CIELCh(38, 2.241, 61.813)

Have a look what the booklet for
CIELCh(38, 2.241, 61.813) contains.

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Color

CIELCh(38, 2.510, 66.457)

Conversions

Conversions Part 1

Format	Color
Hex	5D5956
RGB	93, 89, 86
RGB Percent	36%, 35%, 34%
CMY	0.6362, 0.6519, 0.6637
CMYK	0.00, 0.04, 0.08, 0.64
HSL	26°, 4%, 35%
HSV	26°, 8%, 36%
XYZ	9.7128, 10.0881, 10.1897
YIQ	89.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

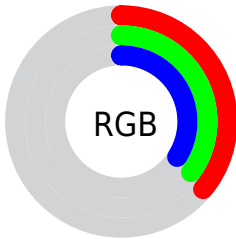
Format	Color
RYB	93, 91, 86
Decimal	6117718
CIELab	38.00, 1.00, 2.30
CIElCh	38, 2.510, 66.457
Yxy	10.0881, 0.3239, 0.3364
Android (android.graphics.Color)	4284307798 (0xFF5D5956)
YUV	89.8540, -1.9000, 2.7590
Hunter-Lab	31.7617, -0.9971, 3.2119

Details

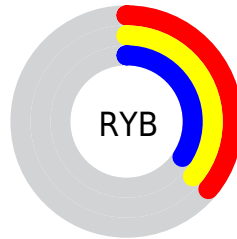
The CIELCh color $[38, 2.510, 66.457]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[38, 2.454, 248.249]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 2.309, 66.653]$, and $[18, 2.525, 74.091]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 6.000, 65.531]$, and if you desaturate by 10%, it is $[40, 0.803, 247.895]$.

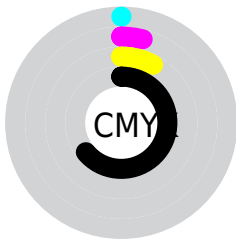
Distribution



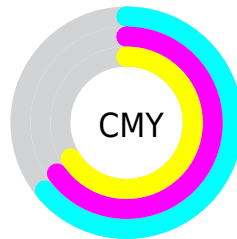
- Red (36%)
- Green (35%)
- Blue (34%)



- Red (36%)
- Yellow (36%)
- Blue (34%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (64%)



- Cyan (64%)
- Magenta (65%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 2.510, 66.457 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, 2.510, 66.457 by changing the saturation by 10% instead.

■ 38, 2.510, 66.457 ■ 38, 2.510, 66.457

■ 100, 2.510, 66.457 ■ 28, 2.510, 66.457

■ 58, 2.510, 66.457 ■ 18, 2.510, 66.457

■ 68, 2.510, 66.457 ■ 8, 2.510, 66.457

■ 78, 2.510, 66.457 ■ 0, 2.510, 66.457

■ 88, 2.510, 66.457

■ 98, 2.510, 66.457

■ 38, 2.510, 66.457 ■ 38, 2.510, 66.457

■ 36, 6.000, 65.531 ■ 40, 0.803, 247.895

■ 34, 9.684, 64.541 ■ 42, 3.956, 248.653

33, 13.574, 63.557

44, 6.966, 249.608

31, 17.675, 62.592

45, 9.849, 250.557

29, 21.977, 61.644

47, 12.620,
251.483

28, 26.437, 60.698

49, 15.290,
252.382

26, 30.953, 59.702

25, 35.279, 58.501

51, 17.873,
253.250

23, 38.898, 56.838

53, 20.377,
254.086

55, 22.811,
254.888

Harmonies

Complementary

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



38, 2.510, 66.457



38, 2.454, 248.249

Rectangle

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



38, 2.510, 66.457



38, 2.510, 116.457



38, 2.510, 246.457



38, 2.510, 296.457

Sweetspot

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



38, 2.510, 66.487



50, 0.808, 66.778



37, 3.912, 339.896



26, 0.462, 66.760



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, 2.510, 66.487



48, 3.717, 66.330



39, 3.914, 105.870



18, 1.855, 66.372



28, 46.163, 56.608



59, 83.827, 54.482

Inverse Universe

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



38, 2.454, 248.249



48, 3.610, 248.432



37, 3.972, 287.360



18, 1.805, 248.382



26, 32.228, 273.581



56, 59.970, 276.987

Previews

White Background



This preview shows how the CIELCh color 38, 2.510, 66.457 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, 2.510, 66.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

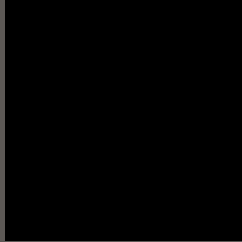
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

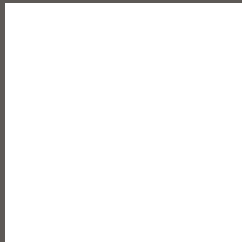
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 2.510, 66.457

Background



This preview shows how black text looks on a background with the CIELCh color 38, 2.510, 66.457.



This preview shows how white text looks on a background with the CIELCh color 38, 2.510, 66.457.

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, 2.510, 66.457

Protanopia

38, 2.237, 74.596

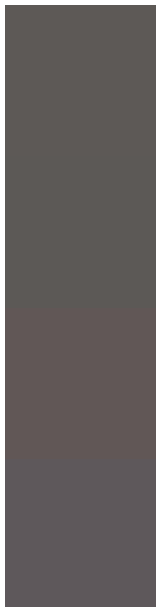
Deuteranopia

38, 5.662, 20.156



Tritanopia
38, 5.240, 324.791

Trichromacy



Original Color

38, 2.510, 66.457

Protanomaly

38, 2.237, 74.596

Deuteranomaly

38, 4.384, 27.949

Tritanomaly

38, 3.156, 344.063

Monochromacy



Original Color

38, 2.510, 66.457

Achromatopsia

38, 0.005, 296.813

Achromatomaly

38, 1.289, 90.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 2.510, 66.457 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(93, 89, 86)` looks like.

```
.text, #text, p{  
    color:rgb(93, 89, 86)  
}
```

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(93, 89, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 89, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 2.510, 66.457 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(93, 89, 86) }
```

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

```
.border{ border-color:rgb(93, 89, 86) }
```

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

Here you see how a box with a 4 pixel rgb(93, 89, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 89, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 89, 86);  
box-shadow:4px 4px 4px 4px rgb(93, 89, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 2.510, 66.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 89, 86) }
```

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

```
.background{ background-color: rgb(93, 89,  
86) }
```

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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