

Converting Colors

CIELCh(38, 3.851, 27.678)

Have a look what the booklet for
CIELCh(38, 3.851, 27.678) contains.

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Color

CIELCh(38, 3.506, 29.828)

Conversions

Conversions Part 1

Format	Color
Hex	605857
RGB	96, 88, 87
RGB Percent	38%, 35%, 34%
CMY	0.6247, 0.6560, 0.6599
CMYK	0.00, 0.08, 0.09, 0.62
HSL	7°, 5%, 36%
HSV	7°, 9%, 38%
XYZ	9.9692, 10.0881, 10.3784
YIQ	90.2780, 5.0890, 1.3850

Conversions

Conversions Part 2

Format	Color
RYB	96, 88, 87
Decimal	6314071
CIELab	38.00, 3.04, 1.74
CIElCh	38, 3.506, 29.828
Yxy	10.0881, 0.3275, 0.3315
Android (android.graphics.Color)	4284504151 (0xFF605857)
YUV	90.2780, -1.6161, 5.0182
Hunter-Lab	31.7617, 0.4438, 2.8596

Details

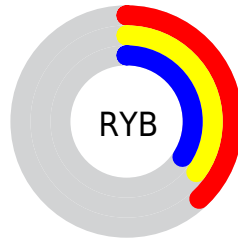
The CIELCh color **38, 3.506, 29.828** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 3.314, 209.742**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 3.612, 28.648**, and **18, 3.500, 31.355** is the 20% darker color. If you saturate the color by 10%, you get **35, 7.520, 30.202**, and if you desaturate by 10%, it is **41, 0.217, 211.252**.

Distribution



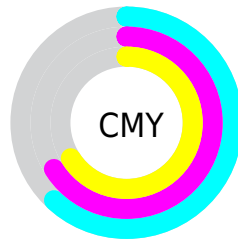
- Red (38%)
- Green (35%)
- Blue (34%)



- Red (38%)
- Yellow (35%)
- Blue (34%)



- Cyan (0%)
- Magenta (8%)
- Yellow (9%)
- Black (62%)



- Cyan (62%)
- Magenta (66%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 3.506, 29.828 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, 3.506, 29.828 by changing the saturation by 10% instead.

 38, 3.506, 29.828  38, 3.506, 29.828

 100, 3.506, 29.828  28, 3.506, 29.828

 58, 3.506, 29.828  18, 3.506, 29.828

 68, 3.506, 29.828  8, 3.506, 29.828

 78, 3.506, 29.828  0, 3.506, 29.828

 88, 3.506, 29.828

 98, 3.506, 29.828

 38, 3.506, 29.828  38, 3.506, 29.828

 35, 7.520, 30.202  41, 0.217, 211.252

 33, 11.846, 30.671  44, 3.670, 209.736

30, 16.491, 31.321

46, 6.881, 209.658

28, 21.445, 32.206

49, 9.876, 209.657

25, 26.669, 33.377

52, 12.679,
209.702

23, 32.087, 34.870

55, 15.312,
209.777

21, 37.559, 36.669

20, 42.293, 37.719

58, 17.796,
209.874

19, 45.944, 38.345

61, 20.148,
209.987

63, 22.384,
210.112

Harmonies

Complementary

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



38, 3.506, 29.828



40, 3.314, 209.742

Rectangle

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



38, 3.506, 29.828



38, 3.506, 79.828



38, 3.506, 209.828



38, 3.506, 259.828

Sweetspot

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



38, 3.505, 29.848



51, 1.360, 29.520



38, 6.274, 327.749



26, 1.042, 29.584



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, 3.505, 29.848



49, 5.148, 29.914



39, 3.627, 84.270



18, 2.109, 29.830



23, 53.274, 39.811



51, 98.016, 41.126

Inverse Universe

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



40, 3.314, 209.742



51, 4.807, 209.711



38, 3.602, 266.625



19, 2.000, 209.751



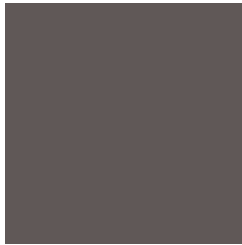
38, 24.250, 215.498



78, 42.208, 216.867

Previews

White Background



This preview shows how the CIELCh color 38, 3.506, 29.828 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, 3.506, 29.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

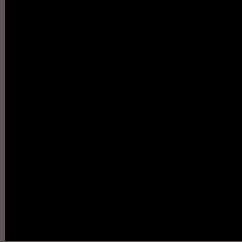
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 3.506, 29.828

Background



This preview shows how black text looks on a background with the CIELCh color 38, 3.506, 29.828.



This preview shows how white text looks on a background with the CIELCh color 38, 3.506, 29.828.

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

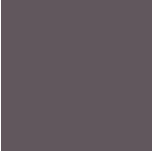
38, 3.506, 29.828

Protanopia

38, 1.486, 74.790

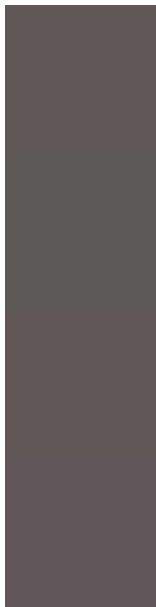
Deuteranopia

38, 5.207, 20.080



Tritanopia
38, 5.629, 339.319

Trichromacy



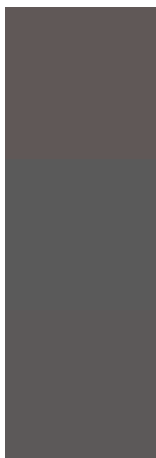
Original Color
38, 3.506, 29.828

Protanomaly
38, 2.101, 55.092

Deuteranomaly
38, 4.766, 20.012

Tritanomaly
38, 4.930, 350.235

Monochromacy



Original Color
38, 3.506, 29.828

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 1.276, 19.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 3.506, 29.828 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(96, 88, 87)` looks like.

```
.text, #text, p{  
    color:rgb(96, 88, 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(96, 88, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 88, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 3.506, 29.828 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(96, 88, 87) }
```

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

```
.border{ border-color:rgb(96, 88, 87) }
```

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

Here you see how a box with a 4 pixel rgb(96, 88, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 88, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 88, 87);  
box-shadow:4px 4px 4px 4px rgb(96, 88, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 3.506, 29.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 88, 87) }
```

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

```
.background{ background-color: rgb(96, 88,  
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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