

Converting Colors

CIELCh(38, 18.498, 318.012)

Have a look what the booklet for
CIELCh(38, 18.498, 318.012)
contains.

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Color

CIELCh(38, 18.466, 318.003)

Conversions

Conversions Part 1

Format	Color
Hex	67536E
RGB	103, 83, 110
RGB Percent	40%, 33%, 43%
CMY	0.5979, 0.6763, 0.5705
CMYK	0.06, 0.25, 0.00, 0.57
HSL	284°, 14%, 38%
HSV	284°, 25%, 43%
XYZ	11.3864, 10.0881, 15.9632
YIQ	92.0580, 3.2530, 12.6370

Conversions

Conversions Part 2

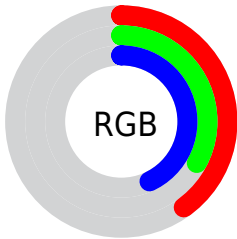
Format	Color
R _Y B	103, 83, 110
Decimal	6771566
CIE Lab	38.00, 13.72, -12.36
CIE LCh	38, 18.466, 318.003
Yxy	10.0881, 0.3041, 0.2695
Android (android.graphics.Color)	4284961646 (0xFF67536E)
YUV	92.0580, 8.8454, 9.5961
Hunter-Lab	31.7617, 8.4081, -7.5655




Details

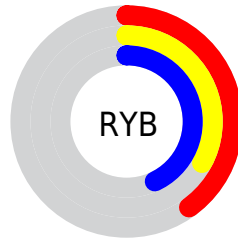
The CIELCh color **38, 18.466, 318.003** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **44, 18.196, 135.898**, and the grayscale version is **39, 0.006, 296.813**.




A 20% lighter version of the original color is **58, 18.339, 317.233**, and **18, 18.220, 318.746** is the 20% darker color. If you saturate the color by 10%, you get **35, 26.074, 318.413**, and if you desaturate by 10%, it is **41, 10.887, 317.584**.

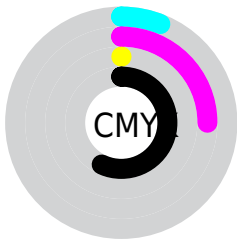
Distribution







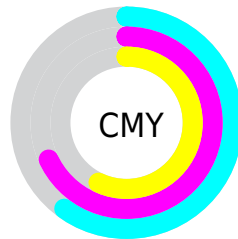
-  Red (40%)
-  Green (33%)
-  Blue (43%)






-  Red (40%)
-  Yellow (33%)
-  Blue (43%)



-  Cyan (6%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (57%)





-  Cyan (60%)
-  Magenta (68%)
-  Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 18.466, 318.003 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, 18.466, 318.003 by changing the saturation by 10% instead.


 38, 18.466,
318.003


 38, 18.466,
318.003

 100, 18.466,
318.003


 28, 18.466,
318.003

 58, 18.466,
318.003


 18, 18.466,
318.003


 68, 18.466,
318.003

 8, 18.466, 318.003

 78, 18.466,
318.003

 0, 18.466, 318.003

 88, 18.466,
318.003

 98, 18.466,
318.003

■ 38, 18.466,
318.003

■ 38, 18.466,
318.003

■ 35, 26.074,
318.413

■ 41, 10.887,
317.584

■ 32, 33.594,
318.799

■ 45, 3.416, 317.153

■ 48, 3.902, 136.832

■ 29, 40.852,
319.133

■ 51, 11.040,
136.443

■ 26, 47.603,
319.382

■ 55, 17.988,
136.096

■ 24, 53.542,
319.503

■ 58, 24.741,
135.778

■ 22, 58.333,
319.448

■ 62, 31.303,
135.487

■ 20, 61.827,
319.197

■ 65, 37.678,
135.222

■ 20, 63.663,

319.078

■ 69, 43.876,
134.983

Harmonies

Complementary

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



38, 18.466, 318.003



44, 18.196, 135.898

Rectangle

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



38, 18.466, 318.003



38, 18.466, 8.003



38, 18.466, 138.003



38, 18.466, 188.003

Sweetspot

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



38, 18.465, 318.003



56, 6.431, 317.269



38, 12.385, 279.366



28, 4.151, 317.284



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 18.465, 318.003



47, 28.044, 318.258



39, 16.838, 333.244



21, 4.084, 317.344



21, 66.870, 319.015



48, 115.355, 318.528

Inverse Universe

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



38, 12.443, 1.282



47, 19.040, 2.068



44, 16.745, 150.013



21, 2.700, 359.565



23, 49.693, 22.164



52, 87.519, 25.778

Previews

White Background



This preview shows how the CIELCh color 38, 18.466, 318.003 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, 18.466, 318.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

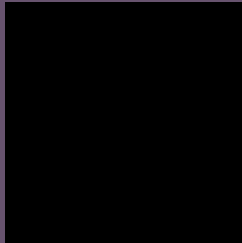
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 18.466, 318.003

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.466, 318.003.



This preview shows how white text looks on a background with the CIELCh color 38, 18.466, 318.003.

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, 18.466, 318.003

Protanopia

38, 15.469, 284.298

Deuteranopia

38, 12.942, 293.906



Tritanopia
38, 7.021, 348.840

Trichromacy



Original Color
38, 18.466, 318.003

Protanomaly
38, 15.469, 296.812

Deuteranomaly
38, 14.571, 304.750

Tritanomaly
38, 10.434, 330.997

Monochromacy



Original Color
38, 18.466, 318.003

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 6.267, 318.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.466, 318.003 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(103, 83, 110)` looks like.

```
.text, #text, p{  
    color:rgb(103, 83, 110)  
}
```

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(103, 83, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 83, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.466, 318.003 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(103, 83, 110) }
```

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

```
.border{ border-color:rgb(103, 83, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 83, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 83, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 83, 110);  
box-shadow:4px 4px 4px 4px rgb(103, 83,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.466, 318.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 83, 110) }
```

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

```
.background{ background-color: rgb(103, 83,  
110) }
```

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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