

Converting Colors

CIELCh(38, 18.507, 294.223)

Have a look what the booklet for
CIELCh(38, 18.507, 294.223)
contains.

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Color

CIELCh(38, 18.487, 294.180)

Conversions

Conversions Part 1

Format	Color
Hex	585775
RGB	88, 87, 117
RGB Percent	35%, 34%, 46%
CMY	0.6564, 0.6603, 0.5427
CMYK	0.25, 0.26, 0.00, 0.54
HSL	242°, 15%, 40%
HSV	242°, 26%, 46%
XYZ	10.5550, 10.0881, 18.0998
YIQ	90.7190, -9.0340, 9.5420

Conversions

Conversions Part 2

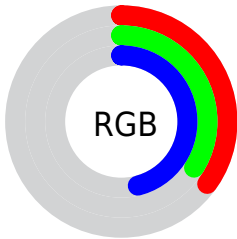
Format	Color
R_{YB}	88, 87, 117
Decimal	5789557
CIE Lab	38.00, 7.57, -16.87
CIE LCh	38, 18.487, 294.180
Yxy	10.0881, 0.2724, 0.2604
Android (android.graphics.Color)	4283979637 (0xFF585775)
YUV	90.7190, 12.9565, -2.3846
Hunter-Lab	31.7617, 3.7358, -11.5540

Details

The CIELCh color $[38, 18.487, 294.180]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[48, 17.450, 109.243]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 18.225, 293.372]$, and $[18, 18.624, 293.487]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 26.199, 295.546]$, and if you desaturate by 10%, it is $[42, 11.076, 293.003]$.

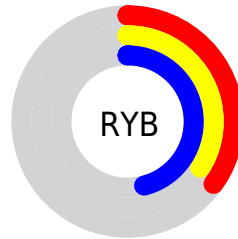
Distribution



Red (35%)

Green (34%)

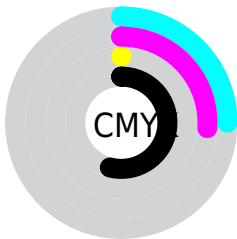
Blue (46%)



Red (35%)

Yellow (34%)

Blue (46%)

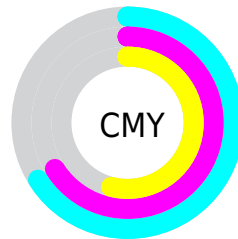


Cyan (25%)

Magenta (26%)

Yellow (0%)

Black (54%)



Cyan (66%)


Magenta (66%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 18.487, 294.180 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, 18.487, 294.180 by changing the saturation by 10% instead.


 38, 18.487,
294.180


 38, 18.487,
294.180

 100, 18.487,
294.180


 28, 18.487,
294.180

 58, 18.487,
294.180


 18, 18.487,
294.180


 68, 18.487,
294.180

 8, 18.487, 294.180

 78, 18.487,
294.180

 0, 18.487, 294.180

 88, 18.487,
294.180

 98, 18.487,
294.180

■ 38, 18.487,
294.180

■ 38, 18.487,
294.180

■ 34, 26.199,
295.546

■ 42, 11.076,
293.003

■ 29, 34.218,
297.117

■ 47, 3.952, 291.999

■ 51, 2.906, 111.114

■ 25, 42.507,
298.883

■ 55, 9.516, 110.381

■ 21, 50.936,
300.793

■ 59, 15.896,
109.744

■ 18, 59.168,
302.722

■ 64, 22.062,
109.195

■ 14, 66.525,
304.451


■ 68, 28.026,
108.719

■ 12, 72.307,
305.814

■ 72, 33.803,
108.305

■ 11, 74.872,

306.456

 76, 39.404,
107.944

Harmonies

Complementary

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



38, 18.487, 294.180



48, 17.450, 109.243

Rectangle

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



38, 18.487, 294.180



38, 18.487, 344.180



38, 18.487, 114.180



38, 18.487, 164.180

Sweetspot

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



38, 18.486, 294.179



58, 6.854, 292.234



47, 11.101, 199.740



30, 4.920, 292.357



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 18.486, 294.179



46, 27.803, 294.984



39, 19.390, 310.792



22, 3.939, 292.315



12, 77.527, 306.447



32, 131.638, 306.354

Inverse Universe

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



41, 21.243, 326.687



50, 31.513, 327.004



47, 18.772, 128.535



23, 4.652, 325.789



28, 65.471, 329.543



59, 110.846, 329.618

Previews

White Background



This preview shows how the CIE LCh color 38, 18.487, 294.180 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 CIELCh color 38, 18.487, 294.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

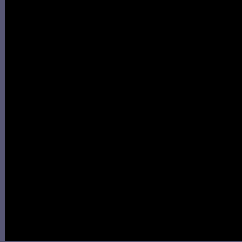
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 18.487, 294.180

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.487, 294.180.



This preview shows how white text looks on a background with the CIELCh color 38, 18.487, 294.180.

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, 18.487, 294.180

Protanopia

38, 18.563, 285.233

Deuteranopia

38, 17.256, 287.965



Tritanopia
38, 4.892, 261.207

Trichromacy



Original Color
38, 18.487, 294.180

Protanomaly
38, 17.890, 287.098

Deuteranomaly
38, 17.237, 289.169

Tritanomaly
38, 9.327, 281.971

Monochromacy



Original Color
38, 18.487, 294.180

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 6.769, 291.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.487, 294.180 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(88, 87, 117)` looks like.

```
.text, #text, p{  
    color:rgb(88, 87, 117)  
}
```

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(88, 87, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 87, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.487, 294.180 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(88, 87, 117) }
```

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

```
.border{ border-color:rgb(88, 87, 117) }
```

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

Here you see how a box with a 4 pixel rgb(88, 87, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 87, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 87, 117);  
box-shadow:4px 4px 4px 4px rgb(88, 87,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.487, 294.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 87, 117) }
```

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

```
.background{ background-color: rgb(88, 87,  
117) }
```

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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