

Converting Colors

CIELCh(38, 18.001, 290.433)

Have a look what the booklet for
CIELCh(38, 18.001, 290.433)
contains.

CIELCh(38, 18.482, 290.778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 18.482, 290.778)

Conversions

Conversions Part 1

Format	Color
Hex	555775
RGB	85, 87, 117
RGB Percent	33%, 34%, 46%
CMY	0.6657, 0.6579, 0.5402
CMYK	0.27, 0.26, 0.00, 0.54
HSL	236°, 16%, 40%
HSV	236°, 27%, 46%
XYZ	10.4217, 10.0881, 18.3055
YIQ	89.8220, -10.8220, 8.9060

Conversions

Conversions Part 2

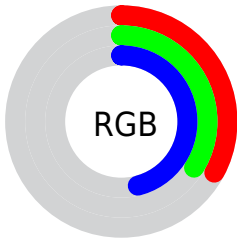
Format	Color
R_{YB}	85, 87, 117
Decimal	5592949
CIE Lab	38.00, 6.56, -17.28
CIE LCh	38, 18.482, 290.778
Yxy	10.0881, 0.2685, 0.2599
Android (android.graphics.Color)	4283783029 (0xFF555775)
YUV	89.8220, 13.3988, -4.2289
Hunter-Lab	31.7617, 2.9868, -11.9379

Details

The CIELCh color **38, 18.482, 290.778** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **48, 17.516, 104.899**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 18.218, 290.037**, and **18, 18.644, 291.257** is the 20% darker color. If you saturate the color by 10%, you get **34, 25.740, 292.333**, and if you desaturate by 10%, it is **42, 11.497, 289.442**.

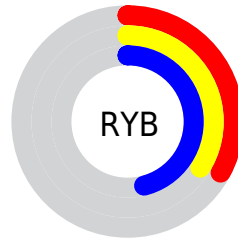
Distribution



 Red (33%)

 Green (34%)

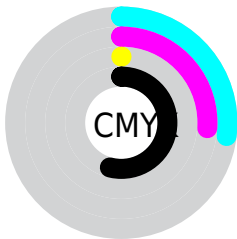
 Blue (46%)



 Red (33%)

 Yellow (34%)

 Blue (46%)

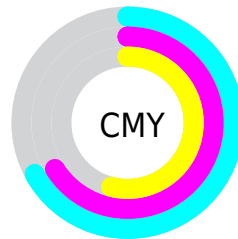


 Cyan (27%)

 Magenta (26%)

 Yellow (0%)

 Black (54%)



 Cyan (67%)


 Magenta (66%)


 Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 18.482, 290.778 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, 18.482, 290.778 by changing the saturation by 10% instead.


 38, 18.482,
290.778


 38, 18.482,
290.778

 100, 18.482,
290.778


 28, 18.482,
290.778

 58, 18.482,
290.778


 18, 18.482,
290.778


 68, 18.482,
290.778

 8, 18.482, 290.778

 78, 18.482,
290.778

 0, 18.482, 290.778

 88, 18.482,
290.778

 98, 18.482,
290.778

■ 38, 18.482,
290.778

■ 38, 18.482,
290.778

■ 34, 25.740,
292.333

■ 42, 11.497,
289.442

■ 30, 33.285,
294.130

■ 46, 4.768, 288.303

■ 26, 41.107,
296.168

■ 50, 1.725, 107.272

■ 55, 7.999, 106.454

■ 22, 49.126,
298.405

■ 59, 14.069,
105.727

■ 18, 57.106,
300.728

■ 63, 19.948,
105.095

■ 15, 64.528,
302.929

■ 67, 25.646,
104.544

■ 13, 70.582,
304.661

■ 71, 31.176,
104.060

■ 12, 71.990,

305.010

■ 75, 36.546,
103.635

Harmonies

Complementary

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



38, 18.482, 290.778



48, 17.516, 104.899

Rectangle

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



38, 18.482, 290.778



38, 18.482, 340.778



38, 18.482, 110.778



38, 18.482, 160.778

Sweetspot

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



38, 18.481, 290.777



59, 6.508, 288.398



47, 12.187, 192.082



30, 4.607, 288.533



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, 18.481, 290.777



46, 28.130, 291.769



39, 20.449, 308.072



22, 3.688, 288.487



13, 74.399, 305.071



32, 129.208, 305.744

Inverse Universe

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



40, 14.198, 16.622



49, 21.776, 17.448



47, 19.620, 125.442



23, 2.757, 14.809



24, 57.331, 35.489



52, 100.538, 38.205

Previews

White Background



This preview shows how the CIE LCh color 38, 18.482, 290.778 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, 18.482, 290.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

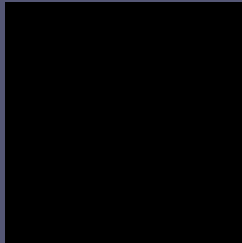
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 18.482, 290.778

Background



This preview shows how black text looks on a background with the CIELCh color 38, 18.482, 290.778.

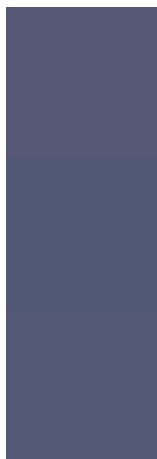


This preview shows how white text looks on a background with the CIELCh color 38, 18.482, 290.778.

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, 18.482, 290.778

Protanopia

38, 18.563, 285.233

Deuteranopia

38, 17.890, 287.098



Tritanopia
38, 5.786, 247.333

Trichromacy



Original Color
38, 18.482, 290.778

Protanomaly
38, 18.498, 287.409

Deuteranomaly
38, 17.866, 288.245

Tritanomaly
38, 9.541, 275.100

Monochromacy



Original Color
38, 18.482, 290.778

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 6.774, 287.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 18.482, 290.778 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(85, 87, 117)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 87, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 87, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 18.482, 290.778 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(85, 87, 117) }
```

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

```
.border{ border-color:rgb(85, 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(85, 87, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 87, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 87, 117);  
box-shadow:4px 4px 4px 4px rgb(85, 87,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 18.482, 290.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 87, 117) }
```

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

```
.background{ background-color: rgb(85, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor