

Converting Colors

CIELCh(38, 20.613, 293.388)

Have a look what the booklet for
CIELCh(38, 20.613, 293.388)
contains.

CIELCh(38, 20.972, 294.407)	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, 20.972, 294.407)

Conversions

Conversions Part 1

Format	Color
Hex	575678
RGB	87, 86, 120
RGB Percent	34%, 34%, 47%
CMY	0.6580, 0.6619, 0.5285
CMYK	0.27, 0.28, 0.00, 0.53
HSL	242°, 16%, 40%
HSV	242°, 28%, 47%
XYZ	10.6997, 10.0881, 19.2249
YIQ	90.1750, -10.3180, 10.7860

Conversions

Conversions Part 2

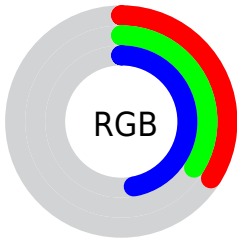
Format	Color
R_{YB}	87, 86, 120
Decimal	5723768
CIE _{Lab}	38.00, 8.67, -19.10
CIE _{LCh}	38, 20.972, 294.407
Yxy	10.0881, 0.2674, 0.2521
Android (android.graphics.Color)	4283913848 (0xFF575678)
YUV	90.1750, 14.7037, -2.7845
Hunter-Lab	31.7617, 4.5493, -13.6541

Details

The CIELCh color $38, 20.972, 294.407$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $50, 19.661, 108.856$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 20.532, 294.477$, and $18, 20.728, 294.140$ is the 20% darker color. If you saturate the color by 10%, you get $34, 28.965, 295.843$, and if you desaturate by 10%, it is $42, 13.292, 293.169$.

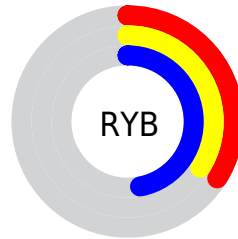
Distribution



Red (34%)

Green (34%)

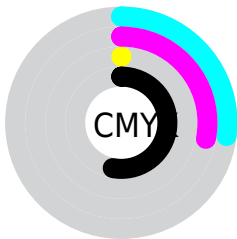
Blue (47%)



Red (34%)

Yellow (34%)

Blue (47%)

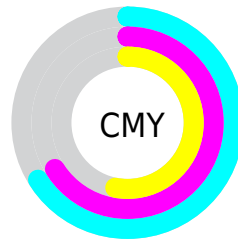


Cyan (27%)

Magenta (28%)

Yellow (0%)

Black (53%)



Cyan (66%)


Magenta (66%)

Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.972, 294.407 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, 20.972, 294.407 by changing the saturation by 10% instead.


 38, 20.972,
294.407


 38, 20.972,
294.407

 100, 20.972,
294.407


 28, 20.972,
294.407

 58, 20.972,
294.407


 18, 20.972,
294.407


 68, 20.972,
294.407

 8, 20.972, 294.407

 78, 20.972,
294.407

 0, 20.972, 294.407

 88, 20.972,
294.407

 98, 20.972,
294.407

■ 38, 20.972,
294.407

■ 38, 20.972,
294.407

■ 34, 28.965,
295.843

■ 42, 13.292,
293.169

■ 29, 37.271,
297.487

■ 47, 5.912, 292.111

■ 51, 1.189, 111.165

■ 25, 45.834,
299.322

■ 56, 8.030, 110.413

■ 21, 54.472,
301.278

■ 60, 14.629,
109.746

■ 17, 62.754,
303.201

■ 64, 21.004,
109.171

■ 14, 69.863,
304.843

■ 69, 27.170,
108.674

■ 12, 75.516,
306.179

■ 73, 33.138,
108.242

■ 12, 76.556,

306.432

 77, 38.923,
107.866

Harmonies

Complementary

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



38, 20.972, 294.407



50, 19.661, 108.856

Rectangle

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



38, 20.972, 294.407



38, 20.972, 344.407



38, 20.972, 114.407



38, 20.972, 164.407

Sweetspot

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



38, 20.971, 294.407



60, 7.043, 292.101



48, 12.412, 199.640



31, 5.056, 292.228



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 20.971, 294.407



46, 31.535, 295.322



40, 21.947, 310.923



23, 4.082, 292.188



13, 78.711, 306.426



32, 132.671, 306.346

Inverse Universe

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



41, 24.019, 326.727



51, 35.538, 327.065



48, 21.171, 128.411



24, 4.833, 325.695



29, 66.624, 329.401



59, 112.017, 329.466

Previews

White Background



This preview shows how the CIELCh color 38, 20.972, 294.407 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, 20.972, 294.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

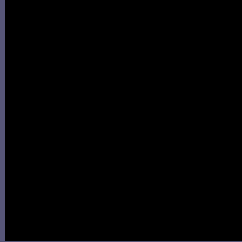
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 20.972, 294.407

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.972, 294.407.



This preview shows how white text looks on a background with the CIELCh color 38, 20.972, 294.407.

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

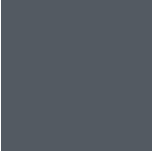
38, 20.972, 294.407

Protanopia

38, 21.016, 285.707

Deuteranopia

38, 19.772, 285.968



Tritanopia
38, 5.605, 260.947

Trichromacy



Original Color

38, 20.972, 294.407

Protanomaly

38, 20.949, 289.510

Deuteranomaly

38, 20.340, 289.284

Tritanomaly

38, 10.538, 283.359

Monochromacy



Original Color

38, 20.972, 294.407

Achromatopsia

38, 0.005, 296.813

Achromatomaly

38, 7.383, 291.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.972, 294.407 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(87, 86, 120)` looks like.

```
.text, #text, p{  
    color:rgb(87, 86, 120)  
}
```

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(87, 86, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 86, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.972, 294.407 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(87, 86, 120) }
```

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

```
.border{ border-color:rgb(87, 86, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 86, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 86, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 86, 120);  
box-shadow:4px 4px 4px 4px rgb(87, 86,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.972, 294.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 86, 120) }
```

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

```
.background{ background-color: rgb(87, 86,  
120) }
```

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