

Converting Colors

CIELCh(38, 23.408, 293.771)

Have a look what the booklet for
CIELCh(38, 23.408, 293.771)
contains.

CIELCh(38, 23.409, 293.771)	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, 23.409, 293.771)

Conversions

Conversions Part 1

Format	Color
Hex	56567C
RGB	86, 86, 124
RGB Percent	34%, 34%, 49%
CMY	0.6628, 0.6628, 0.5137
CMYK	0.31, 0.31, 0.00, 0.51
HSL	240°, 18%, 41%
HSV	240°, 31%, 49%
XYZ	10.8024, 10.0881, 20.4451
YIQ	90.3320, -12.1980, 11.8180

Conversions

Conversions Part 2

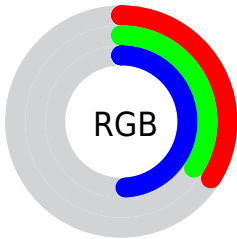
Format	Color
R_{YB}	86, 86, 124
Decimal	5658236
CIE _{Lab}	38.00, 9.44, -21.42
CIE _{LCh}	38, 23.409, 293.771
Yxy	10.0881, 0.2613, 0.2441
Android (android.graphics.Color)	4283848316 (0xFF56567C)
YUV	90.3320, 16.5983, -3.7992
Hunter-Lab	31.7617, 5.1263, -15.9319

Details

The CIELCh color $[38, 23.409, 293.771]$ is a dark color, and the websafe version is hex `666699`. A complement of this color would be $[51, 21.803, 107.342]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 23.353, 293.669]$, and $[18, 23.440, 294.021]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 31.692, 295.359]$, and if you desaturate by 10%, it is $[43, 15.455, 292.404]$.

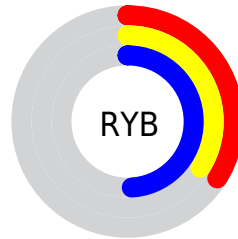
Distribution



Red (34%)

Green (34%)

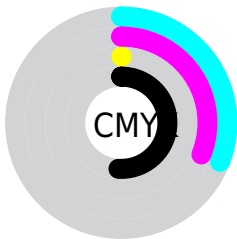
Blue (49%)



Red (34%)

Yellow (34%)

Blue (49%)

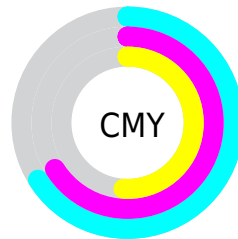


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (51%)



Cyan (66%)


Magenta (66%)

Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 23.409, 293.771 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, 23.409, 293.771 by changing the saturation by 10% instead.


 38, 23.409,
293.771


 38, 23.409,
293.771

 100, 23.409,
293.771


 28, 23.409,
293.771

 58, 23.409,
293.771


 18, 23.409,
293.771


 68, 23.409,
293.771

 8, 23.409, 293.771

 78, 23.409,
293.771

 0, 23.409, 293.771

 88, 23.409,
293.771

 98, 23.409,
293.771

■ 38, 23.409,
293.771

■ 38, 23.409,
293.771

■ 33, 31.692,
295.359

■ 43, 15.455,
292.404

■ 29, 40.300,
297.177

■ 47, 7.817, 291.239

■ 25, 49.155,
299.196

■ 52, 0.472, 290.332

■ 21, 58.022,
301.321

■ 56, 6.602, 109.378

■ 17, 66.346,
303.357

■ 61, 13.424,
108.652

■ 14, 73.145,
305.014

■ 65, 20.011,
108.027

■ 12, 78.455,
306.287

■ 70, 26.380,
107.486

■ 74, 32.544,
107.017

■ 78, 38.516,
106.609

Harmonies

Complementary

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



38, 23.409, 293.771



51, 21.803, 107.342

Rectangle

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



38, 23.409, 293.771



38, 23.409, 343.771



38, 23.409, 113.771



38, 23.409, 163.771

Sweetspot

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



38, 23.408, 293.771



61, 8.146, 291.087



49, 13.959, 196.408



31, 5.718, 291.218



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



38, 23.408, 293.771



45, 35.455, 294.897



40, 24.323, 309.940



23, 4.080, 291.070



12, 78.889, 306.287



32, 132.799, 306.287

Inverse Universe

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



41, 16.990, 21.829



49, 25.998, 22.743



50, 23.309, 127.107



24, 2.851, 19.868



25, 60.075, 38.173



53, 103.781, 40.000

Previews

White Background



This preview shows how the CIELCh color 38, 23.409, 293.771 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, 23.409, 293.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

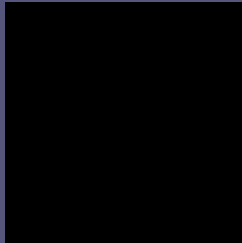
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 23.409, 293.771

Background



This preview shows how black text looks on a background with the CIELCh color 38, 23.409, 293.771.

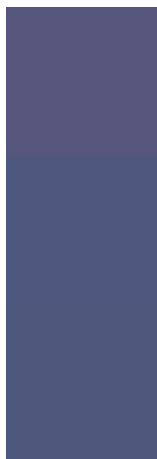


This preview shows how white text looks on a background with the CIELCh color 38, 23.409, 293.771.

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, 23.409, 293.771

Protanopia

38, 23.498, 285.392

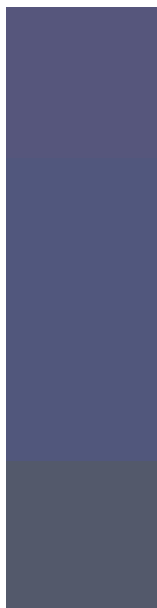
Deuteranopia

38, 22.297, 284.669



Tritanopia
38, 5.786, 247.333

Trichromacy



Original Color
38, 23.409, 293.771

Protanomaly
38, 23.421, 288.676

Deuteranomaly
38, 22.814, 288.425

Tritanomaly
38, 11.255, 280.118

Monochromacy



Original Color
38, 23.409, 293.771

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 7.997, 291.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 23.409, 293.771 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(86, 86, 124)` looks like.

```
.text, #text, p{  
    color:rgb(86, 86, 124)  
}
```

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(86, 86, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 86, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 23.409, 293.771 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(86, 86, 124) }
```

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

```
.border{ border-color:rgb(86, 86, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 86, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 86, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 86, 124);  
box-shadow:4px 4px 4px 4px rgb(86, 86,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 23.409, 293.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 86, 124) }
```

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

```
.background{ background-color: rgb(86, 86,  
124) }
```

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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