

Converting Colors

CIELCh(58, 38.735, 247.486)

Have a look what the booklet for
CIELCh(58, 38.735, 247.486)
contains.

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Color

CIELCh(58, 38.470, 247.315)

Conversions

Conversions Part 1

Format	Color
Hex	0096C9
RGB	0, 150, 201
RGB Percent	0%, 59%, 79%
CMY	1.0000, 0.4124, 0.2125
CMYK	1.00, 0.25, 0.00, 0.21
HSL	195°, 100%, 39%
HSV	195°, 100%, 79%
XYZ	21.3896, 25.9610, 59.0301
YIQ	110.9640, -105.7710, -15.9390

Conversions

Conversions Part 2

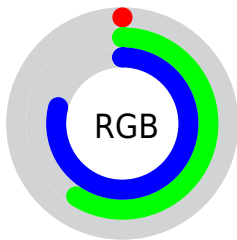
Format	Color
R_{YB}	0, 86, 201
Decimal	38601
CIE _{Lab}	58.00, -14.84, -35.49
CIE _{LCh}	58, 38.470, 247.315
Yxy	25.9610, 0.2011, 0.2440
Android (android.graphics.Color)	4278228681 (0xFF0096C9)
YUV	110.9640, 44.3877, -97.3154
Hunter-Lab	50.9519, -14.2318, -33.0237

Details

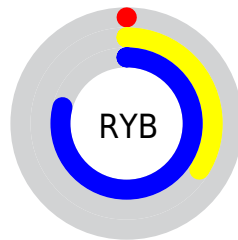
The CIELCh color **58, 38.470, 247.315** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **45, 81.045, 45.236**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 37.532, 245.279**, and **40, 33.611, 259.881** is the 20% darker color. If you saturate the color by 10%, you get **58, 38.451, 247.348**, and if you desaturate by 10%, it is **60, 36.916, 242.866**.

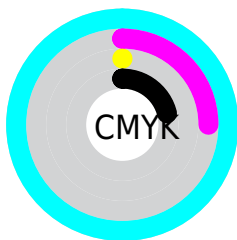
Distribution



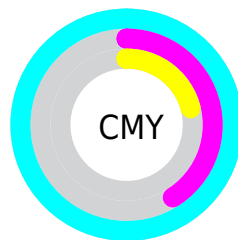
- Red (0%)
- Green (59%)
- Blue (79%)



- Red (0%)
- Yellow (34%)
- Blue (79%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (41%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 38.470, 247.315 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 58, 38.470, 247.315 by changing the saturation by 10% instead.


 58, 38.470,
247.315


 58, 38.470,
247.315


 100, 38.470,
247.315


 48, 38.470,
247.315


 78, 38.470,
247.315

 38, 38.470,
247.315

 88, 38.470,
247.315

 28, 38.470,
247.315

 98, 38.470,
247.315

 18, 38.470,
247.315

 8, 38.470, 247.315

 0, 38.470, 247.315

■ 58, 38.470,
247.315

■ 58, 38.470,
247.315

■ 58, 38.451,
247.348

■ 60, 36.916,
242.866

■ 61, 35.056,
238.935

■ 63, 32.648,
235.691

■ 66, 29.614,
233.078

■ 68, 25.941,
231.011

■ 70, 21.666,
229.397

■ 73, 16.854,
228.153

■ 75, 11.587,

227.208

■ 78, 5.944, 226.523

Harmonies

Complementary

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



58, 38.470, 247.315



45, 81.045, 45.236

Rectangle

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



58, 38.470, 247.315



58, 38.470, 297.315



58, 38.470, 67.315



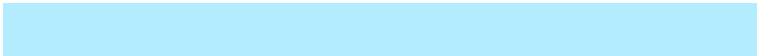
58, 38.470, 117.315

Sweetspot

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



58, 38.451, 247.348



90, 20.431, 228.199



71, 91.765, 139.630



47, 13.732, 228.696



0, 0.000, 0.000



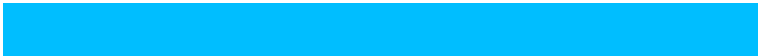
53, 0.007, 296.813

Same Dimension

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



58, 38.451, 247.348



72, 46.227, 248.083



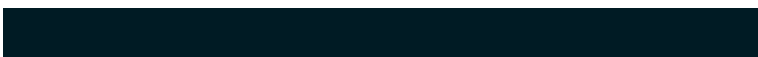
31, 92.641, 300.778



41, 3.350, 226.490



48, 32.820, 246.568



8, 11.150, 236.290

Inverse Universe

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



45, 79.439, 341.720



57, 94.861, 341.965



65, 70.000, 83.285



39, 6.183, 333.064



36, 68.281, 341.464



4, 21.402, 337.866

Previews

White Background



This preview shows how the CIE LCh color 58, 38.470, 247.315 looks on a white 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

Black Background



This preview shows how the CIELCh color 58, 38.470, 247.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

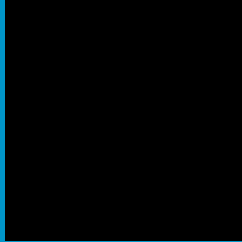
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 38.470, 247.315

Background



This preview shows how black text looks on a background with the CIELCh color 58, 38.470, 247.315.

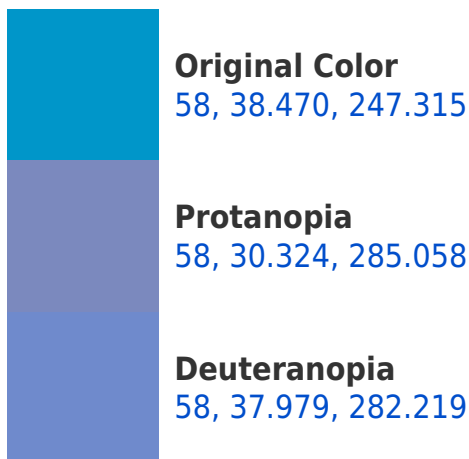


This preview shows how white text looks on a background with the CIELCh color 58, 38.470, 247.315.

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





Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 38.470, 247.315

Protanomaly
57, 33.536, 261.684

Deuteranomaly
57, 38.212, 265.254

Tritanomaly
58, 33.418, 224.768

Monochromacy



Original Color
58, 38.470, 247.315

Achromatopsia
47, 0.006, 296.813

Achromatomaly
50, 20.115, 231.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 38.470, 247.315 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(0, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 201)  
}
```

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(0, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 38.470, 247.315 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(0, 150, 201) }
```

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

```
.border{ border-color:rgb(0, 150, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 38.470, 247.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 201) }
```

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

```
.background{ background-color: rgb(0, 150,  
201) }
```

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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