

Converting Colors

CIE LCh(58, 31.123, 256.299)

Have a look what the booklet for
CIELCh(58, 31.123, 256.299)
contains.

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Color

CIELCh(58, 31.123, 256.299)

Conversions

Conversions Part 1

Format	Color
Hex	5092C0
RGB	80, 146, 192
RGB Percent	31%, 57%, 75%
CMY	0.6874, 0.4285, 0.2482
CMYK	0.58, 0.24, 0.00, 0.25
HSL	205°, 47%, 53%
HSV	205°, 58%, 75%
XYZ	23.0036, 25.9610, 53.5040
YIQ	131.5100, -54.1020, 0.3140

Conversions

Conversions Part 2

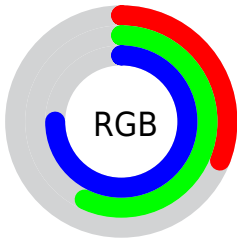
Format	Color
R _Y B	80, 122, 192
Decimal	5280448
CIE Lab	58.00, -7.37, -30.24
CIE LCh	58, 31.123, 256.299
Yxy	25.9610, 0.2245, 0.2534
Android (android.graphics.Color)	4283470528 (0xFF5092C0)
YUV	131.5100, 29.8216, -45.1743
Hunter-Lab	50.9519, -8.5774, -26.5933

Details

The CIELCh color **58, 31.123, 256.299** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **59, 41.024, 59.371**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 31.286, 256.219**, and **38, 30.884, 255.600** is the 20% darker color. If you saturate the color by 10%, you get **55, 35.570, 259.731**, and if you desaturate by 10%, it is **61, 26.397, 253.423**.

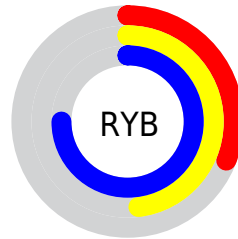
Distribution



Red (31%)

Green (57%)

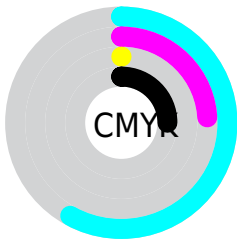
Blue (75%)



Red (31%)

Yellow (48%)

Blue (75%)

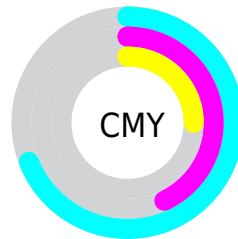


Cyan (58%)

Magenta (24%)

Yellow (0%)

Black (25%)



Cyan (69%)


Magenta (43%)


Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 31.123, 256.299 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, 31.123, 256.299 by changing the saturation by 10% instead.


 58, 31.123,
256.299


 58, 31.123,
256.299


 100, 31.123,
256.299


 48, 31.123,
256.299


 78, 31.123,
256.299

 38, 31.123,
256.299

 88, 31.123,
256.299

 28, 31.123,
256.299

 98, 31.123,
256.299

 18, 31.123,
256.299

 8, 31.123, 256.299

 0, 31.123, 256.299

■ 58, 31.123,
256.299

■ 58, 31.123,
256.299

■ 55, 35.570,
259.731

■ 61, 26.397,
253.423

■ 52, 39.790,
263.745

■ 64, 21.388,
251.042

■ 49, 43.882,
268.298

■ 68, 16.113,
249.084

■ 47, 47.999,
273.179

■ 71, 10.609,
247.480

■ 46, 48.670,
273.914

■ 75, 4.917, 246.190

■ 78, 0.920, 64.538

■ 82, 6.866, 64.012

■ 85, 12.887, 63.265

■ 89, 18.955, 62.619

Harmonies

Complementary

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



58, 31.123, 256.299



59, 41.024, 59.371

Rectangle

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



58, 31.123, 256.299



58, 31.123, 306.299



58, 31.123, 76.299



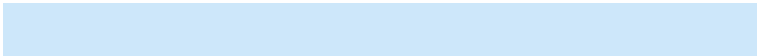
58, 31.123, 126.299

Sweetspot

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



58, 31.122, 256.299



90, 12.854, 247.460



70, 53.181, 152.460



47, 8.892, 247.896



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



58, 31.122, 256.299



70, 44.826, 260.758



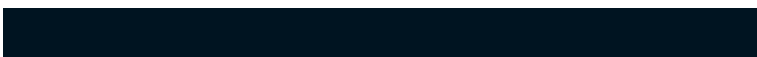
43, 60.336, 295.468



39, 3.333, 246.298



39, 42.234, 273.196



5, 11.646, 260.545

Inverse Universe

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



51, 54.003, 344.864



60, 76.241, 346.862



73, 52.463, 99.639



38, 5.414, 339.797



35, 61.695, 353.433



3, 16.743, 346.905

Previews

White Background



This preview shows how the CIELCh color 58, 31.123, 256.299 looks on a white background.

Color Contrast Check

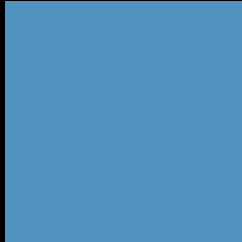
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 31.123, 256.299 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

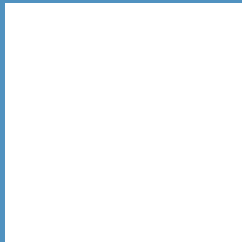
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 31.123, 256.299

Background



This preview shows how black text looks on a background with the CIELCh color 58, 31.123, 256.299.

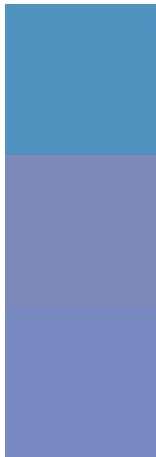


This preview shows how white text looks on a background with the CIELCh color 58, 31.123, 256.299.

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
58, 31.123, 256.299

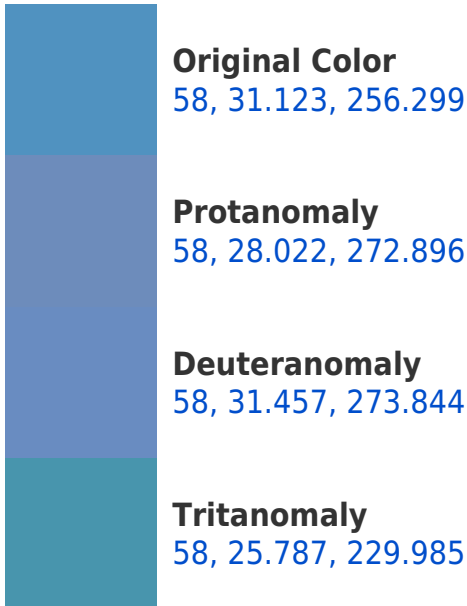
Protanopia
58, 27.469, 285.031

Deuteranopia
58, 32.655, 284.416

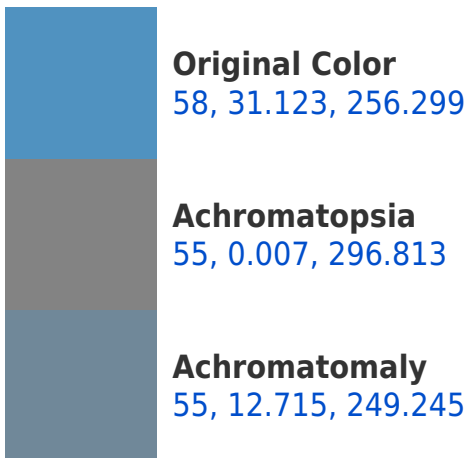


Tritanopia
58, 25.564, 212.947

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 31.123, 256.299 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(80, 146, 192)` looks like.

```
.text, #text, p{  
    color:rgb(80, 146, 192)  
}
```

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(80, 146, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 146, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 31.123, 256.299 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(80, 146, 192) }
```

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

```
.border{ border-color:rgb(80, 146, 192) }
```

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

Here you see how a box with a 4 pixel rgb(80, 146, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 146, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 146, 192);  
box-shadow:4px 4px 4px 4px rgb(80, 146,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 31.123, 256.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 146, 192) }
```

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

```
.background{ background-color: rgb(80, 146,  
192) }
```

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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