

Converting Colors

CIELCh(61, 31.676, 251.973)

Have a look what the booklet for
CIELCh(61, 31.676, 251.973)
contains.

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Color

CIELCh(61, 31.726, 251.873)

Conversions

Conversions Part 1

Format	Color
Hex	509BC8
RGB	80, 155, 200
RGB Percent	31%, 61%, 78%
CMY	0.6870, 0.3928, 0.2164
CMYK	0.60, 0.23, 0.00, 0.22
HSL	202°, 52%, 55%
HSV	202°, 60%, 78%
XYZ	25.3922, 29.2481, 58.8455
YIQ	137.7050, -59.1450, -1.9050

Conversions

Conversions Part 2

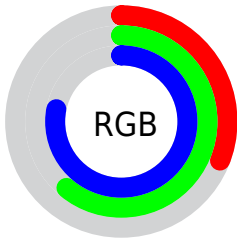
Format	Color
R_{YB}	80, 126, 200
Decimal	5282760
CIE _{Lab}	61.00, -9.87, -30.15
CIE _{LCh}	61, 31.726, 251.873
Yxy	29.2481, 0.2237, 0.2577
Android (android.graphics.Color)	4283472840 (0xFF509BC8)
YUV	137.7050, 30.7114, -50.6073
Hunter-Lab	54.0815, -10.8339, -26.6557

Details

The CIELCh color **61, 31.726, 251.873** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **59, 44.064, 55.797**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 31.028, 251.002**, and **41, 31.469, 252.757** is the 20% darker color. If you saturate the color by 10%, you get **58, 35.841, 255.330**, and if you desaturate by 10%, it is **64, 27.243, 249.004**.

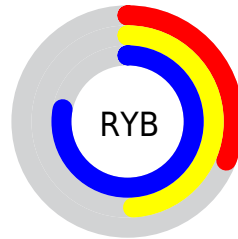
Distribution



Red (31%)

Green (61%)

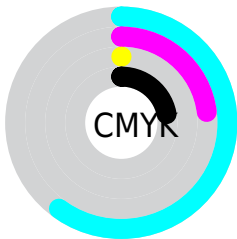
Blue (78%)



Red (31%)

Yellow (49%)

Blue (78%)

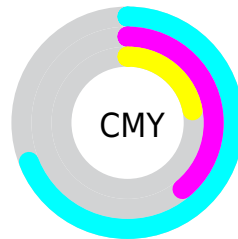


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (22%)



Cyan (69%)

Magenta (39%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 31.726, 251.873 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 61, 31.726, 251.873 by changing the saturation by 10% instead.

■ 61, 31.726,
251.873

■ 61, 31.726,
251.873

■ 100, 31.726,
251.873

■ 51, 31.726,
251.873

■ 81, 31.726,
251.873

■ 41, 31.726,
251.873

■ 91, 31.726,
251.873

■ 31, 31.726,
251.873

■ 21, 31.726,
251.873

■ 11, 31.726,
251.873

■ 1, 31.726, 251.873

■ 0, 31.726, 251.873

61, 31.726,
251.873

61, 31.726,
251.873

58, 35.841,
255.330

64, 27.243,
249.004

55, 39.646,
259.410

67, 22.392,
246.652

53, 43.248,
264.075

70, 17.197,
244.739

50, 46.827,
269.029

74, 11.706,
243.190

77, 5.970, 241.955

81, 0.040, 252.567

84, 6.040, 59.904

88, 12.227, 59.235

91, 17.099, 62.414

Harmonies

Complementary

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



61, 31.726, 251.873



59, 44.064, 55.797

Rectangle

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



61, 31.726, 251.873



61, 31.726, 301.873



61, 31.726, 71.873



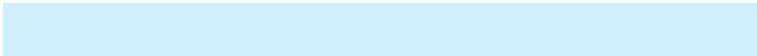
61, 31.726, 121.873

Sweetspot

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



61, 31.725, 251.873



92, 12.847, 242.946



72, 57.912, 150.776



48, 8.879, 243.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 31.725, 251.873



72, 44.462, 256.481



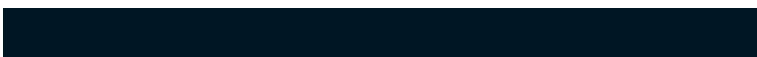
45, 61.789, 294.476



40, 3.357, 241.883



41, 39.863, 268.207



6, 12.147, 256.459

Inverse Universe

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



52, 58.280, 343.094



61, 80.365, 345.002



74, 54.101, 97.500



39, 5.672, 338.130



36, 63.440, 350.481



4, 19.370, 345.223

Previews

White Background



This preview shows how the CIE LCh color 61, 31.726, 251.873 looks on a white background.

Color Contrast Check

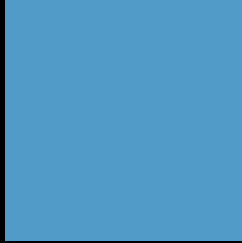
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 31.726, 251.873 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

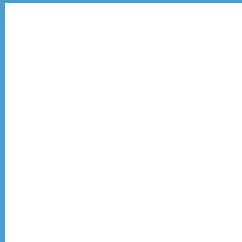
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 31.726, 251.873

Background



This preview shows how black text looks on a background with the CIELCh color 61, 31.726, 251.873.

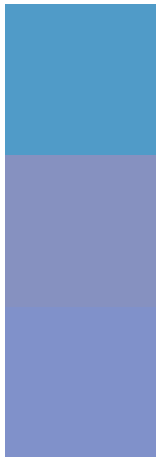


This preview shows how white text looks on a background with the CIELCh color 61, 31.726, 251.873.

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
61, 31.726, 251.873

Protanopia
61, 26.612, 285.231

Deuteranopia
61, 32.343, 284.133



Tritanopia
61, 27.525, 212.820

Trichromacy



Original Color
61, 31.726, 251.873

Protanomaly
61, 27.628, 269.683

Deuteranomaly
61, 31.001, 270.969

Tritanomaly
61, 27.661, 228.514

Monochromacy



Original Color
61, 31.726, 251.873

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 12.911, 243.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 31.726, 251.873 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, 155, 200)` looks like.

```
.text, #text, p{  
    color:rgb(80, 155, 200)  
}
```

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, 155, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 155, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 31.726, 251.873 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, 155, 200) }
```

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

```
.border{ border-color:rgb(80, 155, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 155, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 155, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 155, 200);  
box-shadow:4px 4px 4px 4px rgb(80, 155,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 31.726, 251.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 155, 200) }
```

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

```
.background{ background-color: rgb(80, 155,  
200) }
```

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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