

Converting Colors

CIELCh(51, 42.137, 262.972)

Have a look what the booklet for
CIELCh(51, 42.137, 262.972)
contains.

CIELCh(51, 42.259, 263.106)	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(51, 42.259, 263.106)

Conversions

Conversions Part 1

Format	Color
Hex	0580C1
RGB	5, 128, 193
RGB Percent	2%, 50%, 76%
CMY	0.9796, 0.4987, 0.2439
CMYK	0.97, 0.34, 0.00, 0.24
HSL	201°, 95%, 39%
HSV	201°, 97%, 76%
XYZ	17.3661, 19.2686, 53.1459
YIQ	98.6330, -94.1730, -5.8610

Conversions

Conversions Part 2

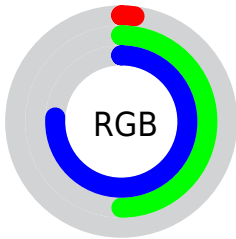
Format	Color
RYB	5, 79, 193
Decimal	360641
CIELab	51.00, -5.07, -41.95
CIELCh	51, 42.259, 263.106
Yxy	19.2686, 0.1934, 0.2146
Android (android.graphics.Color)	4278550721 (0xFF0580C1)
YUV	98.6330, 46.5229, -82.1161
Hunter-Lab	43.8960, -6.2003, -41.0564

Details

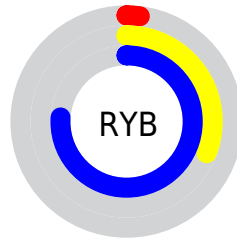
The CIELCh color **51, 42.259, 263.106** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **47, 73.028, 50.046**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 42.153, 262.806**, and **33, 39.222, 275.259** is the 20% darker color. If you saturate the color by 10%, you get **50, 43.084, 264.423**, and if you desaturate by 10%, it is **53, 39.301, 258.161**.

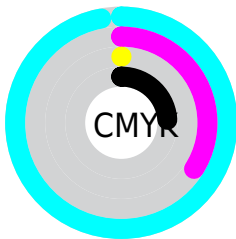
Distribution



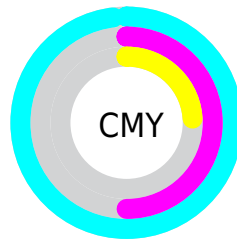
- Red (2%)
- Green (50%)
- Blue (76%)



- Red (2%)
- Yellow (31%)
- Blue (76%)



- Cyan (97%)
- Magenta (34%)
- Yellow (0%)
- Black (24%)



- Cyan (98%)
- Magenta (50%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 42.259, 263.106 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 51, 42.259, 263.106 by changing the saturation by 10% instead.

■ 51, 42.259,
263.106

■ 51, 42.259,
263.106

■ 100, 42.259,
263.106

■ 41, 42.259,
263.106

■ 71, 42.259,
263.106

■ 31, 42.259,
263.106

■ 81, 42.259,
263.106

■ 21, 42.259,
263.106

■ 91, 42.259,
263.106

■ 11, 42.259,
263.106

■ 1, 42.259, 263.106

■ 0, 42.259, 263.106

■ 51, 42.259,
263.106

■ 51, 42.259,
263.106

■ 50, 43.084,
264.423

■ 53, 39.301,
258.161

■ 56, 36.192,
253.737

■ 58, 32.775,
249.955

■ 61, 28.964,
246.807

■ 64, 24.731,
244.230

■ 66, 20.091,
242.144

■ 69, 15.086,
240.466

■ 73, 9.769, 239.124

Harmonies

Complementary

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



51, 42.259, 263.106



47, 73.028, 50.046

Rectangle

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



51, 42.259, 263.106



51, 42.259, 313.106



51, 42.259, 83.106



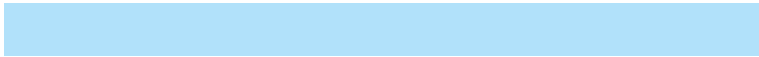
51, 42.259, 133.106

Sweetspot

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



51, 42.258, 263.107



87, 19.681, 240.798



68, 82.668, 142.653



45, 13.356, 241.508



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



51, 42.258, 263.107



64, 52.900, 265.310



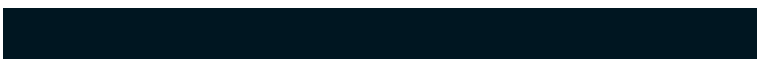
27, 96.089, 302.958



39, 3.264, 238.275



42, 37.312, 263.657



6, 10.944, 252.274

Inverse Universe

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



43, 72.552, 347.901



55, 88.099, 348.966



67, 69.858, 91.004



38, 5.665, 336.853



35, 63.681, 348.158



3, 17.567, 343.007

Previews

White Background



This preview shows how the CIE LCh color 51, 42.259, 263.106 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 51, 42.259, 263.106 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 51, 42.259, 263.106

Background



This preview shows how black text looks on a background with the CIELCh color 51, 42.259, 263.106.

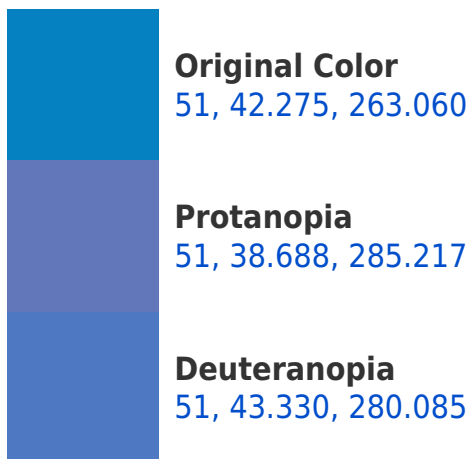


This preview shows how white text looks on a background with the CIELCh color 51, 42.259, 263.106.

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
51, 30.021, 207.990

Trichromacy



Original Color
51, 42.275, 263.060

Protanomaly
50, 40.344, 273.290

Deuteranomaly
50, 43.512, 272.632

Tritanomaly
51, 31.022, 232.029

Monochromacy



Original Color
51, 42.275, 263.060

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 19.679, 245.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 42.259, 263.106 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(5, 128, 193)` looks like.

```
.text, #text, p{  
    color:rgb(5, 128, 193)  
}
```

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(5, 128, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 128, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 42.259, 263.106 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(5, 128, 193) }
```

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

```
.border{ border-color:rgb(5, 128, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 128, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 128, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 128, 193);  
box-shadow:4px 4px 4px 4px rgb(5, 128,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 42.259, 263.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 128, 193) }
```

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

```
.background{ background-color: rgb(5, 128,  
193) }
```

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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