

Converting Colors

CIELCh(51, 21.904, 275.421)

Have a look what the booklet for
CIELCh(51, 21.904, 275.421)
contains.

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Color

CIELCh(51, 21.691, 275.630)

Conversions

Conversions Part 1

Format	Color
Hex	677A9E
RGB	103, 122, 158
RGB Percent	40%, 48%, 62%
CMY	0.5961, 0.5216, 0.3804
CMYK	0.35, 0.23, 0.00, 0.38
HSL	219°, 22%, 51%
HSV	219°, 35%, 62%
XYZ	18.7221, 19.2686, 35.0765
YIQ	120.4230, -22.8800, 7.1680

Conversions

Conversions Part 2

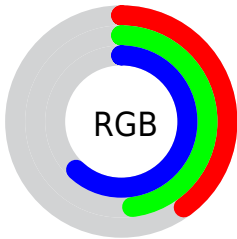
Format	Color
R_{YB}	103, 117, 158
Decimal	6781598
CIE _{Lab}	51.00, 2.13, -21.59
CIE _{LCh}	51, 21.691, 275.630
Yxy	19.2686, 0.2562, 0.2637
Android (android.graphics.Color)	4284971678 (0xFF677A9E)
YUV	120.4230, 18.5255, -15.2800
Hunter-Lab	43.8960, -0.6861, -16.6504

Details

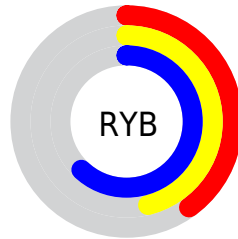
The CIELCh color $51, 21.691, 275.630$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 21.962, 85.706$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 21.924, 276.492$, and $31, 21.183, 274.429$ is the 20% darker color. If you saturate the color by 10%, you get $47, 28.127, 277.822$, and if you desaturate by 10%, it is $55, 15.351, 273.751$.

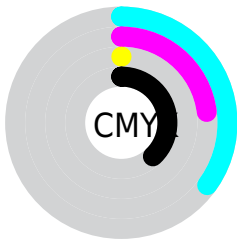
Distribution



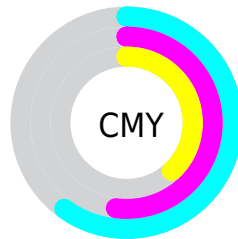
- Red (40%)
- Green (48%)
- Blue (62%)



- Red (40%)
- Yellow (46%)
- Blue (62%)



- Cyan (35%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (60%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 21.691, 275.630 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, 21.691, 275.630 by changing the saturation by 10% instead.

■ 51, 21.691,
275.630

■ 51, 21.691,
275.630

■ 100, 21.691,
275.630

■ 41, 21.691,
275.630

■ 71, 21.691,
275.630

■ 31, 21.691,
275.630

■ 81, 21.691,
275.630

■ 21, 21.691,
275.630

■ 91, 21.691,
275.630

■ 11, 21.691,
275.630

■ 1, 21.691, 275.630

■ 0, 21.691, 275.630

■ 51, 21.691,
275.630

■ 51, 21.691,
275.630

■ 47, 28.127,
277.822

■ 55, 15.351,
273.751

■ 43, 34.681,
280.365

■ 59, 9.103, 272.147

■ 63, 2.941, 270.809

■ 39, 41.379,
283.278

■ 67, 3.134, 89.475

■ 35, 48.250,
286.540

■ 71, 9.120, 88.482

■ 32, 55.304,
290.071

■ 75, 15.015, 87.584

■ 79, 20.816, 86.792

■ 29, 62.485,
293.709

■ 83, 26.522, 86.089

■ 27, 66.232,
295.453

■ 87, 32.134, 85.463

Harmonies

Complementary

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



51, 21.691, 275.630



59, 21.962, 85.706

Rectangle

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



51, 21.691, 275.630



51, 21.691, 325.630



51, 21.691, 95.630



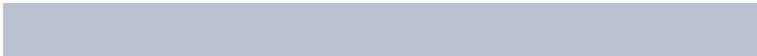
51, 21.691, 145.630

Sweetspot

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



51, 21.690, 275.629



78, 7.623, 271.492



61, 22.971, 169.157



41, 5.247, 271.674



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



51, 21.690, 275.629



62, 32.744, 277.359



46, 32.865, 299.289



31, 3.465, 271.364



24, 60.945, 295.117



1, 4.594, 271.579

Inverse Universe

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



50, 24.921, 356.694



61, 37.556, 357.913



63, 30.310, 113.515



31, 3.908, 353.674



30, 55.629, 15.642



1, 4.981, 354.068

Previews

White Background



This preview shows how the CIELCh color 51, 21.691, 275.630 looks on a white background.

Color Contrast Check

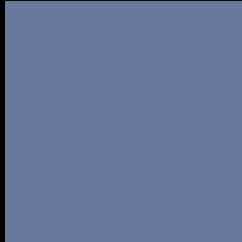
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 21.691, 275.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

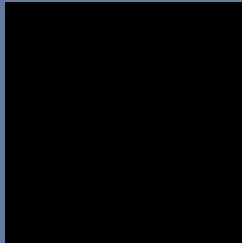
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

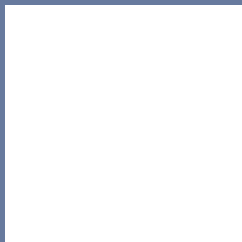
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 21.691, 275.630

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.691, 275.630.



This preview shows how white text looks on a background with the CIELCh color 51, 21.691, 275.630.

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

51, 21.691, 275.630

Protanopia

51, 21.094, 285.248

Deuteranopia

51, 23.370, 288.039



Tritanopia
51, 11.516, 229.108

Trichromacy



Original Color
51, 21.691, 275.630

Protanomaly
51, 21.243, 281.616

Deuteranomaly
51, 22.929, 283.627

Tritanomaly
51, 13.891, 252.033

Monochromacy



Original Color
51, 21.691, 275.630

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 7.977, 271.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.691, 275.630 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(103, 122, 158)` looks like.

```
.text, #text, p{  
    color:rgb(103, 122, 158)  
}
```

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(103, 122, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 122, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.691, 275.630 is called "border". The border property can be set on classes, ids or directly on the HTML element.

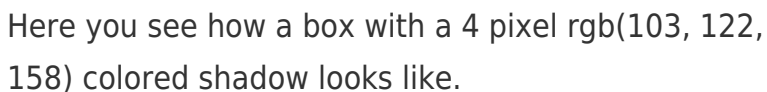
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 122, 158) }
```

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

```
.border{ border-color:rgb(103, 122, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 122, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 122, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 122, 158);  
box-shadow:4px 4px 4px 4px rgb(103, 122,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.691, 275.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 122, 158) }
```

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

```
.background{ background-color: rgb(103,  
122, 158) }
```

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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