

Converting Colors

CIE LCh(51, 17.130, 268.001)

Have a look what the booklet for
CIELCh(51, 17.130, 268.001)
contains.

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Color

CIELCh(51, 16.960, 267.926)

Conversions

Conversions Part 1

Format	Color
Hex	677B96
RGB	103, 123, 150
RGB Percent	40%, 48%, 59%
CMY	0.5959, 0.5174, 0.4116
CMYK	0.31, 0.18, 0.00, 0.41
HSL	214°, 19%, 50%
HSV	214°, 31%, 59%
XYZ	18.1977, 19.2686, 31.6362
YIQ	120.0980, -20.5870, 4.1570

Conversions

Conversions Part 2

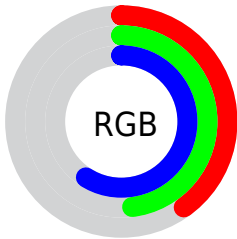
Format	Color
R_{YB}	103, 117, 150
Decimal	6781846
CIE _{Lab}	51.00, -0.61, -16.95
CIE _{LCh}	51, 16.960, 267.926
Yxy	19.2686, 0.2633, 0.2788
Android (android.graphics.Color)	4284971926 (0xFF677B96)
YUV	120.0980, 14.7417, -14.9949
Hunter-Lab	43.8960, -2.8184, -12.0036

Details

The CIELCh color $51, 16.960, 267.926$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 17.768, 79.040$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 17.021, 268.294$, and $31, 17.089, 268.757$ is the 20% darker color. If you saturate the color by 10%, you get $48, 22.382, 270.064$, and if you desaturate by 10%, it is $55, 11.537, 266.104$.

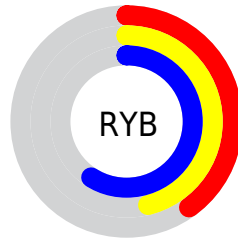
Distribution



Red (40%)

Green (48%)

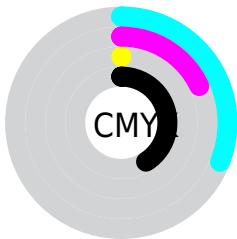
Blue (59%)



Red (40%)

Yellow (46%)

Blue (59%)

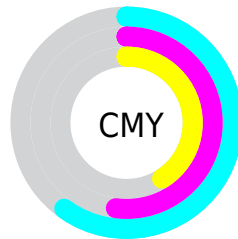


Cyan (31%)

Magenta (18%)

Yellow (0%)

Black (41%)



Cyan (60%)


Magenta (52%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 16.960, 267.926 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, 16.960, 267.926 by changing the saturation by 10% instead.


 51, 16.960,
267.926


 51, 16.960,
267.926


 100, 16.960,
267.926


 41, 16.960,
267.926


 71, 16.960,
267.926

 31, 16.960,
267.926

 81, 16.960,
267.926

 21, 16.960,
267.926

 91, 16.960,
267.926

 11, 16.960,
267.926

 1, 16.960, 267.926

 0, 16.960, 267.926

■ 51, 16.960,
267.926

■ 51, 16.960,
267.926

■ 48, 22.382,
270.064

■ 55, 11.537,
266.104

■ 44, 27.810,
272.569

■ 58, 6.121, 264.565

■ 41, 33.257,
275.478

■ 62, 0.719, 263.537

■ 65, 4.658, 81.986

■ 37, 38.757,
278.800

■ 69, 10.002, 81.019

■ 34, 44.354,
282.499

■ 72, 15.304, 80.159

■ 76, 20.556, 79.401

■ 31, 50.088,
286.469

■ 79, 25.753, 78.728

■ 29, 55.207,
289.830

■ 83, 30.890, 78.129

Harmonies

Complementary

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



51, 16.960, 267.926



56, 17.768, 79.040

Rectangle

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



51, 16.960, 267.926



51, 16.960, 317.926



51, 16.960, 87.926



51, 16.960, 137.926

Sweetspot

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



51, 16.959, 267.924



74, 5.993, 264.270



58, 21.241, 164.460



38, 4.153, 264.451



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



51, 16.959, 267.924



62, 25.354, 269.480



46, 28.068, 296.125



29, 3.018, 264.272



26, 51.438, 289.488



1, 2.638, 263.035

Inverse Universe

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



49, 22.280, 350.963



59, 33.382, 351.916



61, 26.069, 110.163



29, 3.876, 348.612



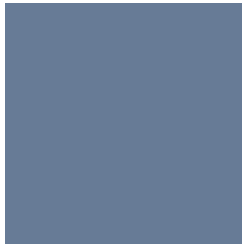
29, 53.406, 7.872



1, 3.346, 347.866

Previews

White Background



This preview shows how the CIELCh color 51, 16.960, 267.926 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, 16.960, 267.926 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

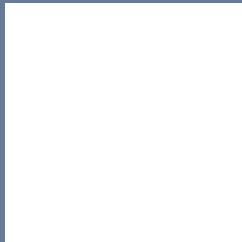
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 16.960, 267.926

Background



This preview shows how black text looks on a background with the CIELCh color 51, 16.960, 267.926.



This preview shows how white text looks on a background with the CIELCh color 51, 16.960, 267.926.

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, 16.960, 267.926

Protanopia

51, 16.389, 285.935

Deuteranopia

51, 18.673, 291.429



Tritanopia
51, 10.942, 230.941

Trichromacy



Original Color
51, 16.960, 267.926

Protanomaly
51, 16.605, 279.865

Deuteranomaly
51, 18.187, 284.616

Tritanomaly
51, 12.447, 247.608

Monochromacy



Original Color
51, 16.960, 267.926

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 6.367, 266.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 16.960, 267.926 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, 123, 150)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 150)  
}
```

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, 123, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 16.960, 267.926 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, 123, 150) }
```

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

```
.border{ border-color:rgb(103, 123, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 150);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 16.960, 267.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 150) }
```

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

```
.background{ background-color: rgb(103,  
123, 150) }
```

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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