

Converting Colors

CIELCh(51, 14.836, 196.302)

Have a look what the booklet for
CIELCh(51, 14.836, 196.302)
contains.

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Color

CIELCh(51, 14.916, 195.629)

Conversions

Conversions Part 1

Format	Color
Hex	588180
RGB	88, 129, 128
RGB Percent	35%, 51%, 50%
CMY	0.6556, 0.4949, 0.4988
CMYK	0.32, 0.00, 0.01, 0.49
HSL	179°, 19%, 42%
HSV	179°, 32%, 51%
XYZ	15.7151, 19.2686, 23.2468
YIQ	116.6270, -24.1150, -9.0030

Conversions

Conversions Part 2

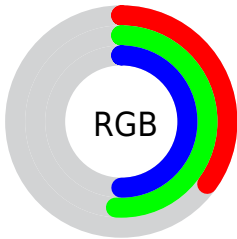
Format	Color
R_{YB}	88, 109, 129
Decimal	5800320
CIE _{Lab}	51.00, -14.36, -4.02
CIE _{LCh}	51, 14.916, 195.629
Yxy	19.2686, 0.2699, 0.3309
Android (android.graphics.Color)	4283990400 (0xFF588180)
YUV	116.6270, 5.6069, -25.1059
Hunter-Lab	43.8960, -12.9138, -0.6720

Details

The CIELCh color **51, 14.916, 195.629** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 18.219, 20.129**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 15.061, 196.130**, and **31, 15.122, 194.817** is the 20% darker color. If you saturate the color by 10%, you get **50, 18.835, 195.124**, and if you desaturate by 10%, it is **52, 10.575, 196.165**.

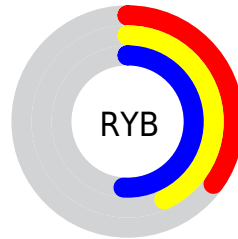
Distribution



Red (35%)

Green (51%)

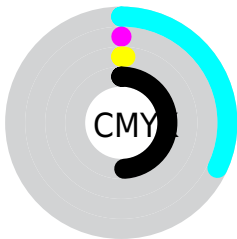
Blue (50%)



Red (35%)

Yellow (43%)

Blue (51%)

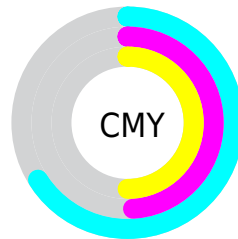


Cyan (32%)

Magenta (0%)

Yellow (1%)

Black (49%)



Cyan (66%)


Magenta (49%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 14.916, 195.629 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, 14.916, 195.629 by changing the saturation by 10% instead.


 51, 14.916,
195.629


 51, 14.916,
195.629


 100, 14.916,
195.629


 41, 14.916,
195.629


 71, 14.916,
195.629

 31, 14.916,
195.629

 81, 14.916,
195.629

 21, 14.916,
195.629

 91, 14.916,
195.629

 11, 14.916,
195.629

 1, 14.916, 195.629

 0, 14.916, 195.629

■ 51, 14.916,
195.629

■ 51, 14.916,
195.629

■ 50, 18.835,
195.124

■ 52, 10.575,
196.165

■ 50, 22.258,
194.658

■ 53, 5.887, 196.752

■ 49, 25.124,
194.227

■ 54, 0.929, 197.693

■ 55, 4.231, 17.773

■ 49, 27.392,
193.827

■ 56, 9.531, 18.440

■ 49, 29.050,
193.453

■ 57, 14.920, 19.081

■ 59, 20.356, 19.718

■ 49, 30.119,
193.098

■ 60, 25.806, 20.352

■ 48, 30.754,
192.816

■ 62, 31.245, 20.982

Harmonies

Complementary

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



51, 14.916, 195.629



42, 18.219, 20.129

Rectangle

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



51, 14.916, 195.629



51, 14.916, 245.629



51, 14.916, 15.629



51, 14.916, 65.629

Sweetspot

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



51, 14.916, 195.625



68, 6.217, 196.853



50, 28.826, 141.508



35, 4.210, 196.778



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 14.916, 195.625



65, 21.559, 195.267



45, 13.583, 256.434



26, 2.800, 196.928



48, 30.528, 192.820



0, 0.000, 0.000

Inverse Universe

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



42, 18.219, 20.129



51, 27.696, 21.091



47, 15.055, 68.098



25, 2.951, 17.895



25, 60.379, 37.384



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 14.916, 195.629 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, 14.916, 195.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

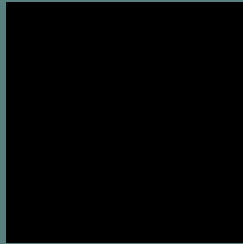
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 14.916, 195.629

Background



This preview shows how black text looks on a background with the CIELCh color 51, 14.916, 195.629.



This preview shows how white text looks on a background with the CIELCh color 51, 14.916, 195.629.

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, 14.916, 195.629

Protanopia

51, 2.138, 324.485

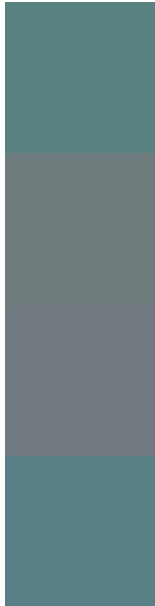
Deuteranopia

51, 8.276, 322.598



Tritanopia
51, 14.271, 225.143

Trichromacy



Original Color
51, 14.916, 195.629

Protanomaly
51, 5.142, 212.112

Deuteranomaly
51, 5.060, 253.206

Tritanomaly
51, 14.190, 212.443

Monochromacy



Original Color
51, 14.916, 195.629

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 5.901, 193.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 14.916, 195.629 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(88, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(88, 129, 128)  
}
```

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(88, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 129, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 14.916, 195.629 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(88, 129, 128) }
```

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

```
.border{ border-color:rgb(88, 129, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 129, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(88, 129,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 14.916, 195.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 129, 128) }
```

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

```
.background{ background-color: rgb(88, 129,  
128) }
```

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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