

Converting Colors

CIELCh(51, 16.251, 206.172)

Have a look what the booklet for
CIELCh(51, 16.251, 206.172)
contains.

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Color

CIELCh(51, 16.219, 206.153)

Conversions

Conversions Part 1

Format	Color
Hex	538185
RGB	83, 129, 133
RGB Percent	33%, 51%, 52%
CMY	0.6741, 0.4937, 0.4780
CMYK	0.38, 0.03, 0.00, 0.48
HSL	185°, 23%, 42%
HSV	185°, 38%, 52%
XYZ	15.6818, 19.2686, 25.1214
YIQ	115.7020, -28.7000, -8.5080

Conversions

Conversions Part 2

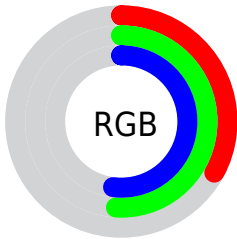
Format	Color
R_{YB}	83, 107, 133
Decimal	5472645
CIE _{Lab}	51.00, -14.56, -7.15
CIE _{LCh}	51, 16.219, 206.153
Yxy	19.2686, 0.2611, 0.3208
Android (android.graphics.Color)	4283662725 (0xFF538185)
YUV	115.7020, 8.5279, -28.6797
Hunter-Lab	43.8960, -13.0493, -3.2040

Details

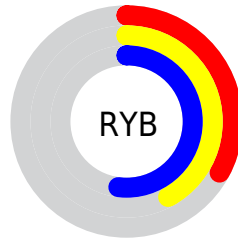
The CIELCh color **51, 16.219, 206.153** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **42, 21.112, 28.705**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 16.170, 205.991**, and **31, 16.229, 206.329** is the 20% darker color. If you saturate the color by 10%, you get **50, 19.595, 206.264**, and if you desaturate by 10%, it is **52, 12.380, 206.164**.

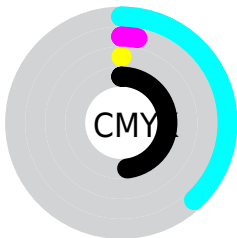
Distribution



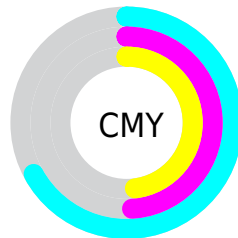
- Red (33%)
- Green (51%)
- Blue (52%)



- Red (33%)
- Yellow (42%)
- Blue (52%)



- Cyan (38%)
- Magenta (3%)
- Yellow (0%)
- Black (48%)





- Cyan (67%)
- Magenta (49%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 16.219, 206.153 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, 16.219, 206.153 by changing the saturation by 10% instead.


 51, 16.219,
206.153


 51, 16.219,
206.153


 100, 16.219,
206.153


 41, 16.219,
206.153


 71, 16.219,
206.153

 31, 16.219,
206.153

 81, 16.219,
206.153

 21, 16.219,
206.153

 91, 16.219,
206.153

 11, 16.219,
206.153

 1, 16.219, 206.153

 0, 16.219, 206.153

■ 51, 16.219,
206.153

■ 51, 16.219,
206.153

■ 50, 19.595,
206.264

■ 52, 12.380,
206.164

■ 49, 22.441,
206.530

■ 53, 8.151, 206.290

■ 55, 3.606, 206.546

■ 48, 24.704,
206.972

■ 56, 1.188, 26.343

■ 48, 26.356,
207.617

■ 57, 6.170, 26.934

■ 47, 27.400,
208.490

■ 59, 11.288, 27.313

■ 61, 16.498, 27.702

■ 47, 27.953,
209.573

■ 62, 21.766, 28.105

■ 47, 28.075,
209.839

■ 64, 27.064, 28.518

Harmonies

Complementary

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



51, 16.219, 206.153



42, 21.112, 28.705

Rectangle

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



51, 16.219, 206.153



51, 16.219, 256.153



51, 16.219, 26.153



51, 16.219, 76.153

Sweetspot

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



51, 16.219, 206.150



69, 6.449, 206.430



51, 33.658, 143.559



36, 4.302, 206.401



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 16.219, 206.150



64, 23.189, 206.238



44, 18.271, 268.383



27, 2.670, 206.492



46, 27.612, 209.805



1, 0.655, 206.639

Inverse Universe

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



42, 33.330, 328.745



52, 49.044, 329.200



48, 19.411, 77.525



26, 4.992, 327.149



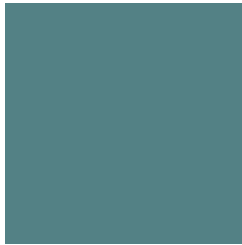
30, 65.979, 331.586



0, 1.189, 326.671

Previews

White Background



This preview shows how the CIELCh color 51, 16.219, 206.153 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, 16.219, 206.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

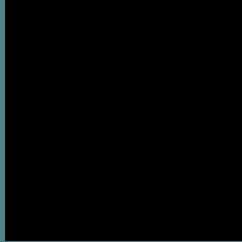
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 16.219, 206.153

Background



This preview shows how black text looks on a background with the CIELCh color 51, 16.219, 206.153.



This preview shows how white text looks on a background with the CIELCh color 51, 16.219, 206.153.

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, 16.219, 206.153

Protanopia

51, 4.695, 295.566

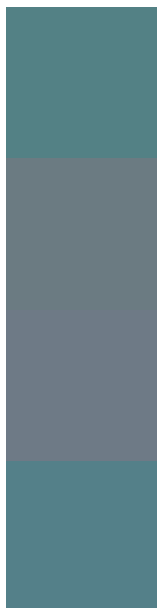
Deuteranopia

51, 10.444, 308.595



Tritanopia
51, 15.910, 222.016

Trichromacy



Original Color
51, 16.219, 206.153

Protanomaly
51, 7.206, 233.589

Deuteranomaly
51, 8.221, 257.858

Tritanomaly
51, 15.919, 217.387

Monochromacy



Original Color
51, 16.219, 206.153

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 6.577, 203.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 16.219, 206.153 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(83, 129, 133)` looks like.

```
.text, #text, p{  
    color:rgb(83, 129, 133)  
}
```

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(83, 129, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 129, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 16.219, 206.153 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(83, 129, 133) }
```

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

```
.border{ border-color:rgb(83, 129, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 129, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 129, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 129, 133);  
box-shadow:4px 4px 4px 4px rgb(83, 129,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 16.219, 206.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 129, 133) }
```

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

```
.background{ background-color: rgb(83, 129,  
133) }
```

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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