

Converting Colors

CIELCh(51, 15.801, 197.844)

Have a look what the booklet for
CIELCh(51, 15.801, 197.844)
contains.

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Color

CIELCh(51, 15.772, 197.805)

Conversions

Conversions Part 1

Format	Color
Hex	558181
RGB	85, 129, 129
RGB Percent	33%, 51%, 51%
CMY	0.6661, 0.4935, 0.4935
CMYK	0.34, 0.00, 0.00, 0.49
HSL	180°, 21%, 42%
HSV	180°, 34%, 51%
XYZ	15.6033, 19.2686, 23.7192
YIQ	115.8440, -26.2240, -9.3280

Conversions

Conversions Part 2

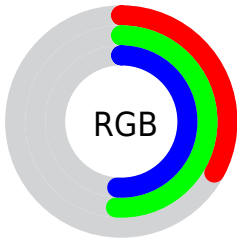
Format	Color
R_{YB}	85, 107, 129
Decimal	5603713
CIE _{Lab}	51.00, -15.02, -4.82
CIE _{LCh}	51, 15.772, 197.805
Yxy	19.2686, 0.2663, 0.3289
Android (android.graphics.Color)	4283793793 (0xFF558181)
YUV	115.8440, 6.4859, -27.0502
Hunter-Lab	43.8960, -13.3683, -1.3101

Details

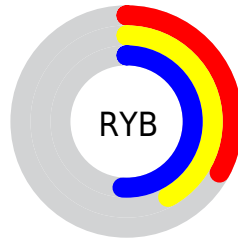
The CIELCh color **51, 15.772, 197.805** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **41, 19.777, 22.256**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 15.634, 198.179**, and **31, 15.799, 197.172** is the 20% darker color. If you saturate the color by 10%, you get **50, 19.538, 197.422**, and if you desaturate by 10%, it is **52, 11.554, 198.237**.

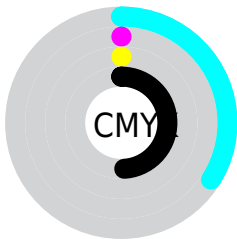
Distribution



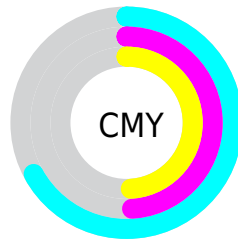
- Red (33%)
- Green (51%)
- Blue (51%)



- Red (33%)
- Yellow (42%)
- Blue (51%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 15.772, 197.805 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, 15.772, 197.805 by changing the saturation by 10% instead.


 51, 15.772,
197.805


 51, 15.772,
197.805


 100, 15.772,
197.805


 41, 15.772,
197.805


 71, 15.772,
197.805

 31, 15.772,
197.805

 81, 15.772,
197.805

 21, 15.772,
197.805

 91, 15.772,
197.805

 11, 15.772,
197.805

 1, 15.772, 197.805

 0, 15.772, 197.805

■ 51, 15.772,
197.805

■ 51, 15.772,
197.805

■ 50, 19.538,
197.422

■ 52, 11.554,
198.237

■ 50, 22.782,
197.101

■ 53, 6.958, 198.732

■ 54, 2.062, 199.378

■ 49, 25.450,
196.841

■ 55, 3.065, 19.595

■ 49, 27.509,
196.642

■ 56, 8.359, 20.244

■ 49, 28.958,
196.503

■ 57, 13.764, 20.847

■ 59, 19.236, 21.451

■ 49, 29.841,
196.418

■ 60, 24.738, 22.058

■ 49, 30.259,
196.378

■ 61, 30.241, 22.665

Harmonies

Complementary

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



51, 15.772, 197.805



41, 19.777, 22.256

Rectangle

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



51, 15.772, 197.805



51, 15.772, 247.805



51, 15.772, 17.805



51, 15.772, 67.805

Sweetspot

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



51, 15.772, 197.802



68, 6.202, 198.944



50, 31.061, 141.714



35, 4.199, 198.877



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, 15.772, 197.802



65, 22.790, 197.498



45, 14.771, 258.814



26, 2.793, 199.012



48, 29.979, 196.378



0, 0.000, 0.000

Inverse Universe

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



41, 19.777, 22.256



50, 30.342, 23.361



47, 16.345, 69.605



25, 2.951, 19.870



25, 61.099, 38.345



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 15.772, 197.805 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, 15.772, 197.805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

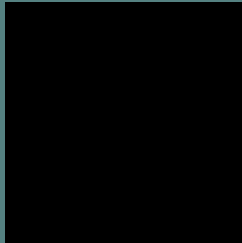
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

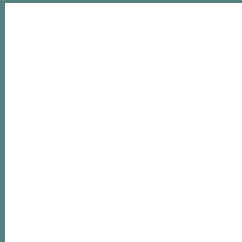
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 15.772, 197.805

Background



This preview shows how black text looks on a background with the CIELCh color 51, 15.772, 197.805.



This preview shows how white text looks on a background with the CIELCh color 51, 15.772, 197.805.

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, 15.772, 197.805

Protanopia
51, 2.481, 309.169

Deuteranopia
51, 9.104, 316.598



Tritanopia
51, 15.209, 220.800

Trichromacy



Original Color
51, 15.772, 197.805

Protanomaly
51, 5.629, 217.105

Deuteranomaly
51, 6.410, 254.402

Tritanomaly
51, 15.158, 213.740

Monochromacy



Original Color
51, 15.772, 197.805

Achromatopsia
49, 0.007, 296.813

Achromatomaly
50, 6.214, 198.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 15.772, 197.805 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(85, 129, 129)` looks like.

```
.text, #text, p{  
    color:rgb(85, 129, 129)  
}
```

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(85, 129, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 129, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 15.772, 197.805 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(85, 129, 129) }
```

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

```
.border{ border-color:rgb(85, 129, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 129, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 129, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 129, 129);  
box-shadow:4px 4px 4px 4px rgb(85, 129,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 15.772, 197.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 129, 129) }
```

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

```
.background{ background-color: rgb(85, 129,  
129) }
```

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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