

Converting Colors

CIELCh(51, 20.622, 203.788)

Have a look what the booklet for
CIELCh(51, 20.622, 203.788)
contains.

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Color

CIELCh(51, 20.598, 203.961)

Conversions

Conversions Part 1

Format	Color
Hex	458387
RGB	69, 131, 135
RGB Percent	27%, 51%, 53%
CMY	0.7291, 0.4860, 0.4703
CMYK	0.49, 0.03, 0.00, 0.47
HSL	184°, 32%, 40%
HSV	184°, 49%, 53%
XYZ	14.9615, 19.2686, 25.8761
YIQ	112.9180, -38.2360, -11.9000

Conversions

Conversions Part 2

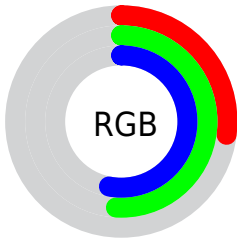
Format	Color
R _{YB}	69, 101, 135
Decimal	4555655
CIE Lab	51.00, -18.82, -8.37
CIE LCh	51, 20.598, 203.961
Yxy	19.2686, 0.2489, 0.3206
Android (android.graphics.Color)	4282745735 (0xFF458387)
YUV	112.9180, 10.8864, -38.5161
Hunter-Lab	43.8960, -15.9781, -4.2234

Details

The CIELCh color **51, 20.598, 203.961** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 29.405, 28.602**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 20.585, 203.976**, and **31, 20.545, 203.854** is the 20% darker color. If you saturate the color by 10%, you get **50, 23.453, 204.092**, and if you desaturate by 10%, it is **52, 17.189, 203.954**.

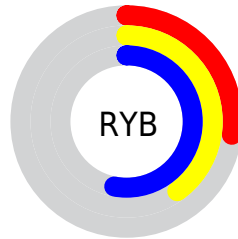
Distribution



Red (27%)

Green (51%)

Blue (53%)



Red (27%)

Yellow (40%)

Blue (53%)

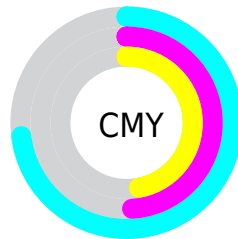


Cyan (49%)

Magenta (3%)

Yellow (0%)

Black (47%)



Cyan (73%)


Magenta (49%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 20.598, 203.961 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, 20.598, 203.961 by changing the saturation by 10% instead.


 51, 20.598,
203.961


 51, 20.598,
203.961


 100, 20.598,
203.961


 41, 20.598,
203.961


 71, 20.598,
203.961

 31, 20.598,
203.961

 81, 20.598,
203.961

 21, 20.598,
203.961

 91, 20.598,
203.961

 11, 20.598,
203.961

 1, 20.598, 203.961

 0, 20.598, 203.961

■ 51, 20.598,
203.961

■ 51, 20.598,
203.961

■ 50, 23.453,
204.092

■ 52, 17.189,
203.954

■ 50, 25.704,
204.373

■ 53, 13.293,
204.061

■ 49, 27.327,
204.821

■ 54, 8.984, 204.267

■ 49, 28.332,
205.451

■ 55, 4.340, 204.581

■ 56, 0.569, 24.078

■ 48, 28.879,
206.230

■ 58, 5.679, 25.107

■ 48, 28.938,
206.319

■ 59, 10.932, 25.548

■ 61, 16.283, 25.993

■ 63, 21.694, 26.448

Harmonies

Complementary

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



51, 20.598, 203.961



38, 29.405, 28.602

Rectangle

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



51, 20.598, 203.961



51, 20.598, 253.961



51, 20.598, 23.961



51, 20.598, 73.961

Sweetspot

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



51, 20.598, 203.959



69, 8.959, 204.363



51, 44.292, 141.952



36, 6.128, 204.311



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 20.598, 203.959



64, 28.915, 204.124



41, 23.523, 269.427



27, 2.718, 204.571



46, 28.163, 206.280



1, 0.666, 204.787

Inverse Universe

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



40, 43.767, 328.733



48, 63.701, 329.282



47, 25.813, 74.423



26, 5.059, 326.580



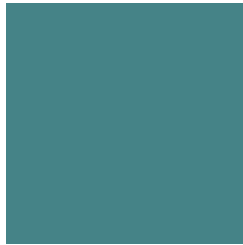
30, 66.963, 330.720



0, 1.205, 326.107

Previews

White Background



This preview shows how the CIELCh color 51, 20.598, 203.961 looks on a white background.

Color Contrast Check

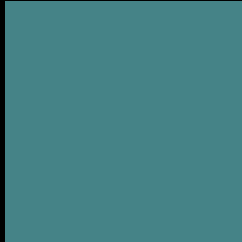
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.598, 203.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

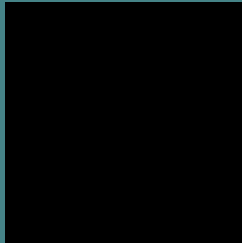
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 20.598, 203.961

Background



This preview shows how black text looks on a background with the CIELCh color 51, 20.598, 203.961.

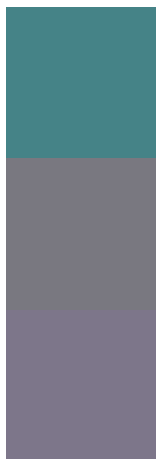


This preview shows how white text looks on a background with the CIELCh color 51, 20.598, 203.961.

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, 20.598, 203.961

Protanopia

51, 4.695, 295.566

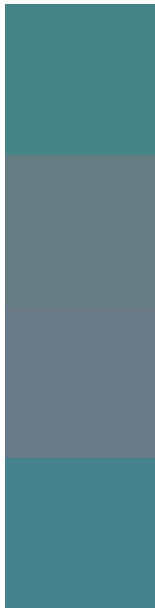
Deuteranopia

51, 12.029, 304.451



Tritanopia
51, 19.998, 216.510

Trichromacy



Original Color
51, 20.598, 203.961

Protanomaly
51, 9.042, 225.673

Deuteranomaly
51, 10.338, 251.476

Tritanomaly
51, 20.108, 212.831

Monochromacy



Original Color
51, 20.598, 203.961

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 8.771, 202.360

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 20.598, 203.961 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(69, 131, 135)` looks like.

```
.text, #text, p{  
    color:rgb(69, 131, 135)  
}
```

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(69, 131, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 131, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 20.598, 203.961 is called "border". The border property can be set on classes, ids or directly on the HTML element.

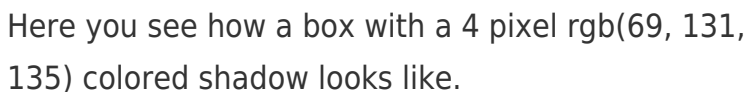
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 131, 135) }
```

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

```
.border{ border-color:rgb(69, 131, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 131, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 131, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 131, 135);  
box-shadow:4px 4px 4px 4px rgb(69, 131,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 20.598, 203.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 131, 135) }
```

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

```
.background{ background-color: rgb(69, 131,  
135) }
```

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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