

Converting Colors

CIELCh(51, 21.747, 211.718)

Have a look what the booklet for
CIELCh(51, 21.747, 211.718)
contains.

CIELCh(51, 21.748, 211.499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 21.748, 211.499)

Conversions

Conversions Part 1

Format	Color
Hex	40838C
RGB	64, 131, 140
RGB Percent	25%, 51%, 55%
CMY	0.7483, 0.4856, 0.4504
CMYK	0.54, 0.06, 0.00, 0.45
HSL	187°, 37%, 40%
HSV	187°, 54%, 55%
XYZ	15.0080, 19.2686, 27.8004
YIQ	111.9930, -42.8210, -11.4050

Conversions

Conversions Part 2

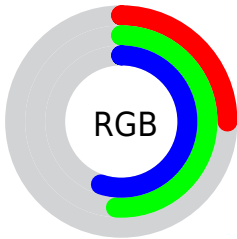
Format	Color
R _Y B	64, 100, 140
Decimal	4227980
CIE Lab	51.00, -18.54, -11.36
CIE LCh	51, 21.748, 211.499
Yxy	19.2686, 0.2418, 0.3104
Android (android.graphics.Color)	4282418060 (0xFF40838C)
YUV	111.9930, 13.8075, -42.0899
Hunter-Lab	43.8960, -15.7889, -6.8226

Details

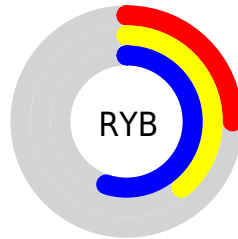
The CIELCh color **51, 21.748, 211.499** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 32.826, 33.530**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 21.786, 212.480**, and **31, 20.985, 212.812** is the 20% darker color. If you saturate the color by 10%, you get **50, 24.229, 212.255**, and if you desaturate by 10%, it is **52, 18.692, 210.973**.

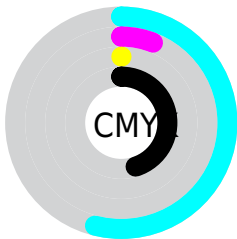
Distribution



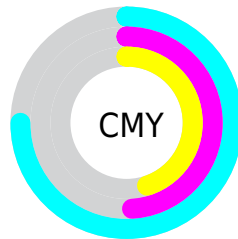
- Red (25%)
- Green (51%)
- Blue (55%)



- Red (25%)
- Yellow (39%)
- Blue (55%)



- Cyan (54%)
- Magenta (6%)
- Yellow (0%)
- Black (45%)



- Cyan (75%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 21.748, 211.499 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, 21.748, 211.499 by changing the saturation by 10% instead.


 51, 21.748,
211.499


 51, 21.748,
211.499


 100, 21.748,
211.499


 41, 21.748,
211.499


 71, 21.748,
211.499

 31, 21.748,
211.499

 81, 21.748,
211.499

 21, 21.748,
211.499

 91, 21.748,
211.499

 11, 21.748,
211.499

 1, 21.748, 211.499

 0, 21.748, 211.499

■ 51, 21.748,
211.499

■ 51, 21.748,
211.499

■ 50, 24.229,
212.255

■ 52, 18.692,
210.973

■ 49, 26.096,
213.290

■ 53, 15.121,
210.645

■ 48, 27.342,
214.648

■ 55, 11.107,
210.479

■ 48, 28.010,
216.365

■ 56, 6.724, 210.454

■ 47, 28.290,
217.425

■ 58, 2.045, 210.651

■ 59, 2.864, 30.424

■ 61, 7.948, 30.711

■ 63, 13.157, 30.971

■ 65, 18.453, 31.252

Harmonies

Complementary

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



51, 21.748, 211.499



39, 32.826, 33.530

Rectangle

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



51, 21.748, 211.499



51, 21.748, 261.499



51, 21.748, 31.499



51, 21.748, 81.499

Sweetspot

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



51, 21.748, 211.497



71, 9.271, 210.447



52, 47.994, 143.175



37, 6.275, 210.447



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 21.748, 211.497



63, 29.793, 212.452



39, 29.471, 277.017



28, 2.667, 210.503



45, 27.184, 217.301



1, 1.267, 210.506

Inverse Universe

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



39, 47.566, 330.959



47, 67.529, 331.637



49, 30.747, 79.826



27, 5.015, 328.328



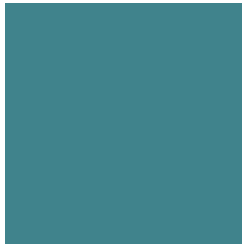
30, 64.973, 333.425



0, 2.314, 327.836

Previews

White Background



This preview shows how the CIELCh color 51, 21.748, 211.499 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, 21.748, 211.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

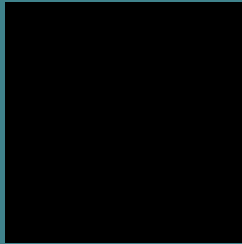
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 21.748, 211.499

Background



This preview shows how black text looks on a background with the CIELCh color 51, 21.748, 211.499.

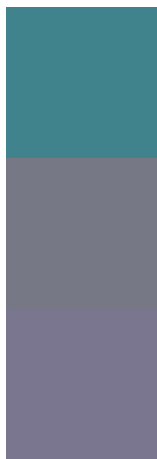


This preview shows how white text looks on a background with the CIELCh color 51, 21.748, 211.499.

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, 21.748, 211.499

Protanopia

51, 7.594, 288.262

Deuteranopia

51, 14.717, 297.829



Tritanopia
51, 21.612, 214.896

Trichromacy



Original Color
51, 21.748, 211.499

Protanomaly
51, 11.264, 237.360

Deuteranomaly
51, 13.346, 255.550

Tritanomaly
51, 21.560, 213.285

Monochromacy



Original Color
51, 21.748, 211.499

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 9.185, 209.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 21.748, 211.499 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(64, 131, 140)` looks like.

```
.text, #text, p{  
    color:rgb(64, 131, 140)  
}
```

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(64, 131, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 131, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 21.748, 211.499 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(64, 131, 140) }
```

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

```
.border{ border-color:rgb(64, 131, 140) }
```

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

Here you see how a box with a 4 pixel rgb(64, 131, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 131, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 131, 140);  
box-shadow:4px 4px 4px 4px rgb(64, 131,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 21.748, 211.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 131, 140) }
```

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

```
.background{ background-color: rgb(64, 131,  
140) }
```

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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