

Converting Colors

CIELCh(50, 16.870, 189.929)

Have a look what the booklet for
CIELCh(50, 16.870, 189.929)
contains.

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Color

CIELCh(50, 16.888, 189.620)

Conversions

Conversions Part 1

Format	Color
Hex	517F7B
RGB	81, 127, 123
RGB Percent	32%, 50%, 48%
CMY	0.6816, 0.5012, 0.5169
CMYK	0.36, 0.00, 0.03, 0.50
HSL	175°, 22%, 41%
HSV	175°, 36%, 50%
XYZ	14.6089, 18.4187, 21.5842
YIQ	112.7900, -26.1320, -10.9960

Conversions

Conversions Part 2

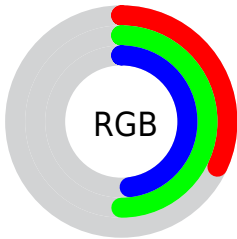
Format	Color
R _Y B	81, 105, 127
Decimal	5341051
CIE Lab	50.00, -16.65, -2.82
CIE LCh	50, 16.888, 189.620
Yxy	18.4187, 0.2675, 0.3373
Android (android.graphics.Color)	4283531131 (0xFF517F7B)
YUV	112.7900, 5.0335, -27.8798
Hunter-Lab	42.9170, -14.3435, 0.2231

Details

The CIELCh color $50, 16.888, 189.620$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $40, 20.641, 15.930$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $70, 17.117, 188.767$, and $30, 17.217, 188.259$ is the 20% darker color. If you saturate the color by 10%, you get $49, 20.747, 188.873$, and if you desaturate by 10%, it is $51, 12.611, 190.354$.

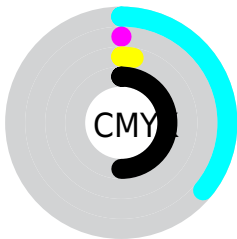
Distribution



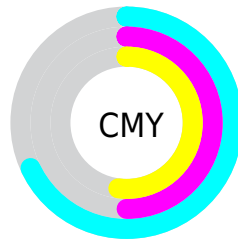
- Red (32%)
- Green (50%)
- Blue (48%)



- Red (32%)
- Yellow (41%)
- Blue (50%)



- Cyan (36%)
- Magenta (0%)
- Yellow (3%)
- Black (50%)





- Cyan (68%)
- Magenta (50%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.888, 189.620 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 50, 16.888, 189.620 by changing the saturation by 10% instead.


 50, 16.888,
189.620


 50, 16.888,
189.620


 100, 16.888,
189.620


 40, 16.888,
189.620


 70, 16.888,
189.620

 30, 16.888,
189.620


 80, 16.888,
189.620


 20, 16.888,
189.620

 90, 16.888,
189.620

 10, 16.888,
189.620

 0, 16.888, 189.620

 50, 16.888,
189.620

 50, 16.888,
189.620

■ 49, 20.747,
188.873

■ 51, 12.611,
190.354

■ 49, 24.114,
188.111

■ 52, 7.993, 191.094

■ 48, 26.930,
187.323

■ 53, 3.111, 191.888

■ 54, 1.964, 12.281

■ 48, 29.158,
186.493

■ 55, 7.170, 13.134

■ 48, 30.792,
185.608

■ 56, 12.453, 13.861

■ 57, 17.772, 14.568

■ 48, 31.911,
184.664

■ 59, 23.093, 15.262

■ 48, 32.308,
184.309

■ 60, 28.390, 15.943

Harmonies

Complementary

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



50, 16.888, 189.620



40, 20.641, 15.930

Rectangle

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



50, 16.888, 189.620



50, 16.888, 239.620



50, 16.888, 9.620



50, 16.888, 59.620

Sweetspot

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



50, 16.888, 189.617



67, 6.823, 191.467



49, 31.686, 139.546



35, 4.610, 191.382



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 16.888, 189.617



63, 24.207, 189.034



44, 14.386, 248.951



26, 2.833, 191.638



48, 32.366, 184.306



0, 0.000, 0.000

Inverse Universe

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



40, 20.641, 15.930



48, 31.082, 17.205



44, 16.889, 60.429



25, 2.966, 12.835



25, 58.602, 34.799



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 16.888, 189.620 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 16.888, 189.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

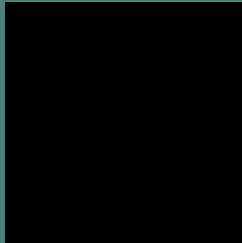
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.888, 189.620

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.888, 189.620.



This preview shows how white text looks on a background with the CIELCh color 50, 16.888, 189.620.

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

50, 16.888, 189.620

Protanopia

50, 1.213, 19.233

Deuteranopia

50, 8.055, 327.265



Tritanopia
50, 15.225, 220.863

Trichromacy



Original Color
50, 16.888, 189.620

Protanomaly
50, 5.523, 192.761

Deuteranomaly
49, 4.893, 245.264

Tritanomaly
50, 15.357, 208.975

Monochromacy



Original Color
50, 16.888, 189.620

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.676, 193.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.888, 189.620 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(81, 127, 123)` looks like.

```
.text, #text, p{  
    color:rgb(81, 127, 123)  
}
```

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(81, 127, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 127, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.888, 189.620 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(81, 127, 123) }
```

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

```
.border{ border-color:rgb(81, 127, 123) }
```

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

Here you see how a box with a 4 pixel rgb(81, 127, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 127, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 127, 123);  
box-shadow:4px 4px 4px 4px rgb(81, 127,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.888, 189.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 127, 123) }
```

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

```
.background{ background-color: rgb(81, 127,  
123) }
```

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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