

Converting Colors

CIELCh(50, 15.988, 193.521)

Have a look what the booklet for
CIELCh(50, 15.988, 193.521)
contains.

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Color

CIELCh(50, 15.988, 193.521)

Conversions

Conversions Part 1

Format	Color
Hex	537F7D
RGB	83, 127, 125
RGB Percent	33%, 50%, 49%
CMY	0.6754, 0.5029, 0.5107
CMYK	0.35, 0.00, 0.02, 0.50
HSL	177°, 21%, 41%
HSV	177°, 35%, 50%
XYZ	14.7905, 18.4187, 22.0968
YIQ	113.6160, -25.5820, -9.9500

Conversions

Conversions Part 2

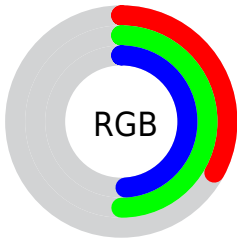
Format	Color
R_{YB}	83, 106, 127
Decimal	5472125
CIE _{Lab}	50.00, -15.54, -3.74
CIE _{LCh}	50, 15.988, 193.521
Y _{xy}	18.4187, 0.2674, 0.3330
Android (android.graphics.Color)	4283662205 (0xFF537F7D)
YUV	113.6160, 5.6123, -26.8502
Hunter-Lab	42.9170, -13.5879, -0.4849

Details

The CIELCh color **50, 15.988, 193.521** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 19.735, 18.894**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 16.123, 194.200**, and **30, 16.070, 192.460** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.779, 192.935**, and if you desaturate by 10%, it is **51, 11.770, 194.122**.

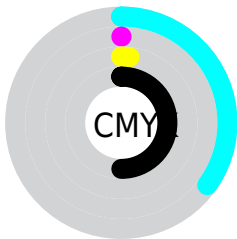
Distribution



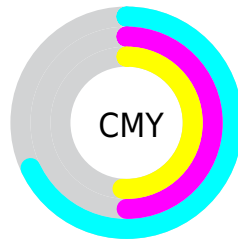
- Red (33%)
- Green (50%)
- Blue (49%)



- Red (33%)
- Yellow (42%)
- Blue (50%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)





- Cyan (68%)
- Magenta (50%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 15.988, 193.521 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, 15.988, 193.521 by changing the saturation by 10% instead.


 50, 15.988,
193.521


 50, 15.988,
193.521


 100, 15.988,
193.521


 40, 15.988,
193.521


 70, 15.988,
193.521

 30, 15.988,
193.521


 80, 15.988,
193.521


 20, 15.988,
193.521

 90, 15.988,
193.521

 10, 15.988,
193.521

 0, 15.988, 193.521

 50, 15.988,
193.521

 50, 15.988,
193.521

■ 49, 19.779,
192.935

■ 51, 11.770,
194.122

■ 49, 23.072,
192.370

■ 52, 7.200, 194.755

■ 48, 25.808,
191.817

■ 53, 2.355, 195.493

■ 54, 2.696, 15.822

■ 48, 27.953,
191.269

■ 55, 7.891, 16.564

■ 48, 29.499,
190.716

■ 56, 13.177, 17.237

■ 57, 18.512, 17.899

■ 48, 30.496,
190.150

■ 59, 23.860, 18.556

■ 48, 30.949,
189.854

■ 60, 29.197, 19.205

Harmonies

Complementary

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



50, 15.988, 193.521



40, 19.735, 18.894

Rectangle

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



50, 15.988, 193.521



50, 15.988, 243.521



50, 15.988, 13.521



50, 15.988, 63.521

Sweetspot

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



50, 15.988, 193.518



67, 6.159, 195.056



49, 30.825, 140.882



35, 4.224, 194.974



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, 15.988, 193.518



64, 23.309, 193.033



44, 14.355, 254.988



26, 2.808, 195.137



48, 31.080, 189.850



0, 0.000, 0.000

Inverse Universe

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



40, 19.735, 18.894



49, 30.473, 20.155



45, 16.238, 65.997



25, 2.953, 16.188



25, 59.771, 36.536



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 15.988, 193.521 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 50, 15.988, 193.521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

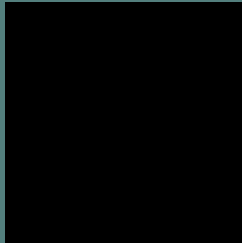
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

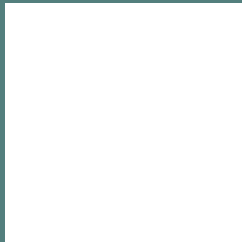
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 15.988, 193.521

Background



This preview shows how black text looks on a background with the CIELCh color 50, 15.988, 193.521.



This preview shows how white text looks on a background with the CIELCh color 50, 15.988, 193.521.

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, 15.988, 193.521

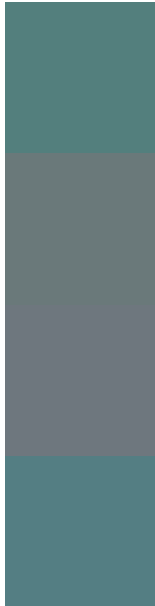
Protanopia
50, 1.432, 324.405

Deuteranopia
50, 8.312, 322.608



Tritanopia
50, 14.946, 221.335

Trichromacy



Original Color
50, 15.988, 193.521

Protanomaly
50, 5.834, 204.624

Deuteranomaly
50, 5.312, 249.921

Tritanomaly
50, 15.057, 209.226

Monochromacy



Original Color
50, 15.988, 193.521

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.301, 193.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 15.988, 193.521 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, 127, 125)` looks like.

```
.text, #text, p{  
    color:rgb(83, 127, 125)  
}
```

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, 127, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 127, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 15.988, 193.521 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, 127, 125) }
```

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

```
.border{ border-color:rgb(83, 127, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 127, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 127, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 127, 125);  
box-shadow:4px 4px 4px 4px rgb(83, 127,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 15.988, 193.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 127, 125) }
```

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

```
.background{ background-color: rgb(83, 127,  
125) }
```

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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