

Converting Colors

CIELCh(50, 16.486, 195.667)

Have a look what the booklet for
CIELCh(50, 16.486, 195.667)
contains.

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Color

CIELCh(50, 16.492, 195.655)

Conversions

Conversions Part 1

Format	Color
Hex	517F7E
RGB	81, 127, 126
RGB Percent	32%, 50%, 49%
CMY	0.6825, 0.5021, 0.5061
CMYK	0.36, 0.00, 0.01, 0.50
HSL	179°, 22%, 41%
HSV	179°, 36%, 50%
XYZ	14.7353, 18.4187, 22.5009
YIQ	113.1320, -27.0950, -10.0630

Conversions

Conversions Part 2

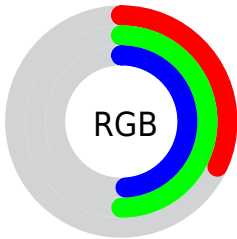
Format	Color
R_{YB}	81, 104, 127
Decimal	5341054
CIE _{Lab}	50.00, -15.88, -4.45
CIE _{LCh}	50, 16.492, 195.655
Y _{xy}	18.4187, 0.2648, 0.3309
Android (android.graphics.Color)	4283531134 (0xFF517F7E)
YUV	113.1320, 6.3439, -28.1798
Hunter-Lab	42.9170, -13.8177, -1.0433

Details

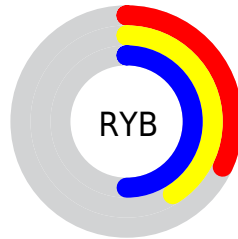
The CIELCh color **50, 16.492, 195.655** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 20.801, 20.900**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 16.353, 196.173**, and **30, 16.656, 194.775** is the 20% darker color. If you saturate the color by 10%, you get **49, 20.154, 195.179**, and if you desaturate by 10%, it is **51, 12.380, 196.164**.

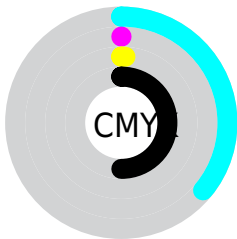
Distribution



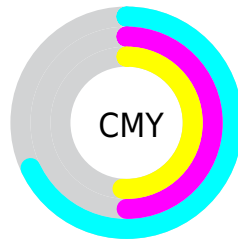
- Red (32%)
- Green (50%)
- Blue (49%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.492, 195.655 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, 16.492, 195.655 by changing the saturation by 10% instead.


 50, 16.492,
195.655


 50, 16.492,
195.655


 100, 16.492,
195.655


 40, 16.492,
195.655


 70, 16.492,
195.655

 30, 16.492,
195.655


 80, 16.492,
195.655


 20, 16.492,
195.655

 90, 16.492,
195.655

 10, 16.492,
195.655

 0, 16.492, 195.655

 50, 16.492,
195.655

 50, 16.492,
195.655

49, 20.154,
195.179

51, 12.380,
196.164

49, 23.296,
194.744

52, 7.892, 196.717

48, 25.869,
194.345

53, 3.103, 197.357

54, 1.914, 17.611

48, 27.841,
193.979

55, 7.098, 18.365

48, 29.216,
193.640

56, 12.391, 19.005

57, 17.750, 19.639

48, 30.077,
193.318

59, 23.137, 20.271

48, 30.369,
193.201

60, 28.523, 20.900

Harmonies

Complementary

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



50, 16.492, 195.655



40, 20.801, 20.900

Rectangle

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



50, 16.492, 195.655



50, 16.492, 245.655



50, 16.492, 15.655



50, 16.492, 65.655

Sweetspot

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



50, 16.492, 195.652



67, 6.735, 197.015



49, 32.363, 141.148



35, 4.549, 196.946



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, 16.492, 195.652



64, 23.550, 195.280



43, 15.208, 257.298



26, 2.799, 197.154



48, 30.464, 193.199



0, 0.000, 0.000

Inverse Universe

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



40, 20.801, 20.900



48, 31.449, 22.087



45, 17.127, 67.605



25, 2.951, 18.109



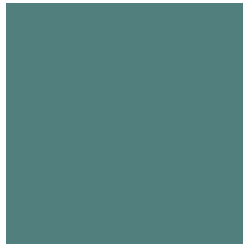
25, 60.457, 37.489



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 16.492, 195.655 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, 16.492, 195.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

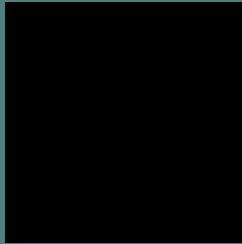
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

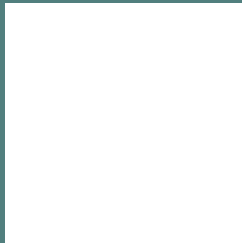
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 16.492, 195.655

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.492, 195.655.



This preview shows how white text looks on a background with the CIELCh color 50, 16.492, 195.655.

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, 16.492, 195.655

Protanopia

50, 1.944, 314.706

Deuteranopia

50, 8.622, 318.287



Tritanopia
50, 15.653, 222.554

Trichromacy



Original Color
50, 16.492, 195.655

Protanomaly
50, 5.887, 210.370

Deuteranomaly
49, 5.984, 250.942

Tritanomaly
50, 15.690, 210.931

Monochromacy



Original Color
50, 16.492, 195.655

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.612, 198.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.492, 195.655 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(81, 127, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 127, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.492, 195.655 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, 126) }
```

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

```
.border{ border-color:rgb(81, 127, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 127, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 127, 126);  
box-shadow:4px 4px 4px 4px rgb(81, 127,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.492, 195.655 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, 126) }
```

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

```
.background{ background-color: rgb(81, 127,  
126) }
```

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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