

Converting Colors

CIELCh(50, 17.192, 162.507)

Have a look what the booklet for
CIELCh(50, 17.192, 162.507)
contains.

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Color

CIELCh(50, 17.338, 162.649)

Conversions

Conversions Part 1

Format	Color
Hex	5B7F6E
RGB	91, 127, 110
RGB Percent	36%, 50%, 43%
CMY	0.6444, 0.5033, 0.5699
CMYK	0.28, 0.00, 0.13, 0.50
HSL	152°, 17%, 43%
HSV	152°, 28%, 50%
XYZ	14.6255, 18.4187, 17.4433
YIQ	114.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

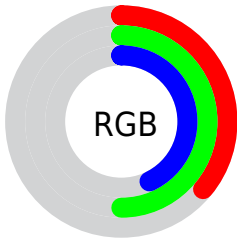
Format	Color
R_{YB}	91, 115, 127
Decimal	5996398
CIE _{Lab}	50.00, -16.55, 5.17
CIE _{LCh}	50, 17.338, 162.649
Yxy	18.4187, 0.2897, 0.3648
Android (android.graphics.Color)	4284186478 (0xFF5B7F6E)
YUV	114.2980, -2.1189, -20.4323
Hunter-Lab	42.9170, -14.2744, 5.9438

Details

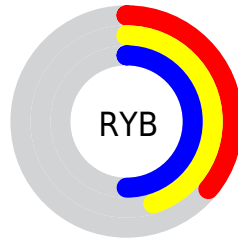
The CIELCh color **50, 17.338, 162.649** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 18.024, 347.750**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 17.258, 163.231**, and **30, 17.573, 161.330** is the 20% darker color. If you saturate the color by 10%, you get **49, 23.210, 161.553**, and if you desaturate by 10%, it is **51, 11.297, 163.635**.

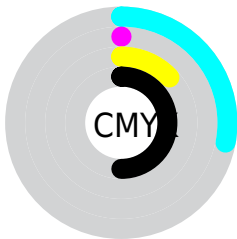
Distribution



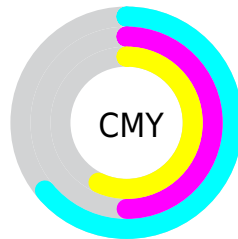
- Red (36%)
- Green (50%)
- Blue (43%)



- Red (36%)
- Yellow (45%)
- Blue (50%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (50%)




- Cyan (64%)
- Magenta (50%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 17.338, 162.649 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, 17.338, 162.649 by changing the saturation by 10% instead.


 50, 17.338,
162.649


 50, 17.338,
162.649


 100, 17.338,
162.649


 40, 17.338,
162.649


 70, 17.338,
162.649

 30, 17.338,
162.649


 80, 17.338,
162.649

 20, 17.338,
162.649

 90, 17.338,
162.649

 10, 17.338,
162.649

 0, 17.338, 162.649

 50, 17.338,
162.649

 50, 17.338,
162.649

■ 49, 23.210,
161.553

■ 51, 11.297,
163.635

■ 48, 28.816,
160.330

■ 52, 5.167, 164.552

■ 48, 34.061,
158.954

■ 53, 0.979, 344.997

■ 55, 7.085, 346.000

■ 47, 38.857,
157.403

■ 56, 13.106,
346.705

■ 47, 43.135,
155.662

■ 57, 19.012,
347.350

■ 47, 46.861,
153.723

■ 59, 24.780,
347.951

■ 46, 50.152,
151.693

■ 61, 30.399,
348.514

■ 46, 50.669,
151.392

■ 62, 35.861,
349.046

Harmonies

Complementary

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



50, 17.338, 162.649



43, 18.024, 347.750

Rectangle

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



50, 17.338, 162.649



50, 17.338, 212.649



50, 17.338, 342.649



50, 17.338, 32.649

Sweetspot

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



50, 17.339, 162.648



67, 6.888, 164.478



51, 22.191, 128.398



35, 4.824, 164.365



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, 17.339, 162.648



64, 25.703, 161.960



50, 12.998, 199.630



26, 3.481, 164.489



47, 50.925, 151.376



0, 0.000, 0.000

Inverse Universe

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



43, 18.024, 347.750



53, 26.940, 348.467



42, 15.658, 22.830



25, 3.528, 345.873



26, 50.612, 3.110



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 17.338, 162.649 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, 17.338, 162.649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

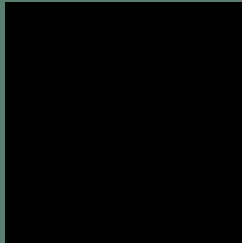
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 17.338, 162.649

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.338, 162.649.

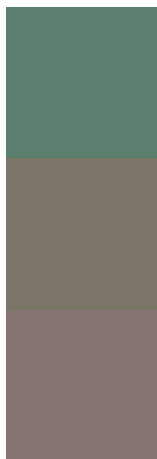


This preview shows how white text looks on a background with the CIELCh color 50, 17.338, 162.649.

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, 17.338, 162.649

Protanopia

50, 7.984, 90.663

Deuteranopia

50, 7.320, 33.901



Tritanopia
50, 11.542, 229.166

Trichromacy



Original Color
50, 17.338, 162.649

Protanomaly
50, 8.993, 133.440

Deuteranomaly
50, 4.745, 119.519

Tritanomaly
50, 11.528, 201.150

Monochromacy



Original Color
50, 17.338, 162.649

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 6.691, 160.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.338, 162.649 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(91, 127, 110)` looks like.

```
.text, #text, p{  
    color:rgb(91, 127, 110)  
}
```

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(91, 127, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 127, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.338, 162.649 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(91, 127, 110) }
```

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

```
.border{ border-color:rgb(91, 127, 110) }
```

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

Here you see how a box with a 4 pixel rgb(91, 127, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 127, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 127, 110);  
box-shadow:4px 4px 4px 4px rgb(91, 127,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.338, 162.649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 127, 110) }
```

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

```
.background{ background-color: rgb(91, 127,  
110) }
```

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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