

Converting Colors

CIELCh(50, 20.002, 175.795)

Have a look what the booklet for
CIELCh(50, 20.002, 175.795)
contains.

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Color

CIELCh(50, 19.862, 176.534)

Conversions

Conversions Part 1

Format	Color
Hex	4E8074
RGB	78, 128, 116
RGB Percent	31%, 50%, 45%
CMY	0.6929, 0.4968, 0.5439
CMYK	0.39, 0.00, 0.09, 0.50
HSL	166°, 24%, 41%
HSV	166°, 39%, 50%
XYZ	14.0955, 18.4187, 19.4266
YIQ	111.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

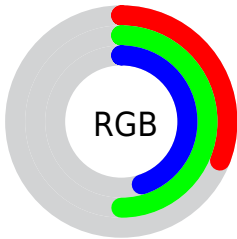
Format	Color
RYB	78, 106, 128
Decimal	5144692
CIELab	50.00, -19.83, 1.20
CIELCh	50, 19.862, 176.534
Yxy	18.4187, 0.2714, 0.3546
Android (android.graphics.Color)	4283334772 (0xFF4E8074)
YUV	111.6820, 2.1288, -29.5391
Hunter-Lab	42.9170, -16.4789, 3.2039

Details

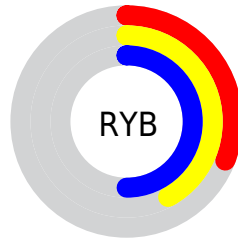
The CIELCh color **50, 19.862, 176.534** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 22.832, 4.762**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 19.934, 176.785**, and **30, 20.129, 175.907** is the 20% darker color. If you saturate the color by 10%, you get **49, 24.260, 175.394**, and if you desaturate by 10%, it is **51, 15.100, 177.585**.

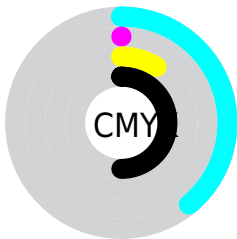
Distribution



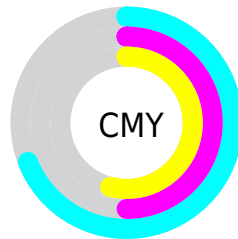
- Red (31%)
- Green (50%)
- Blue (45%)



- Red (31%)
- Yellow (42%)
- Blue (50%)



- Cyan (39%)
- Magenta (0%)
- Yellow (9%)
- Black (50%)





- Cyan (69%)
- Magenta (50%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 19.862, 176.534 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, 19.862, 176.534 by changing the saturation by 10% instead.


 50, 19.862,
176.534


 50, 19.862,
176.534


 100, 19.862,
176.534


 40, 19.862,
176.534


 70, 19.862,
176.534

 30, 19.862,
176.534


 80, 19.862,
176.534


 20, 19.862,
176.534

 90, 19.862,
176.534

 10, 19.862,
176.534

 0, 19.862, 176.534

 50, 19.862,
176.534

 50, 19.862,
176.534

■ 49, 24.260,
175.394

■ 51, 15.100,
177.585

■ 49, 28.211,
174.152

■ 52, 10.057,
178.574

■ 48, 31.650,
172.785

■ 53, 4.814, 179.531

■ 54, 0.558, 359.683

■ 48, 34.533,
171.270

■ 55, 5.996, 1.095

■ 48, 36.853,
169.589

■ 56, 11.449, 1.917

■ 48, 38.770,
167.817

■ 58, 16.879, 2.689

■ 59, 22.255, 3.428

■ 47, 38.967,
167.643

■ 61, 27.556, 4.139

Harmonies

Complementary

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



50, 19.862, 176.534



39, 22.832, 4.762

Rectangle

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



50, 19.862, 176.534



50, 19.862, 226.534



50, 19.862, 356.534



50, 19.862, 46.534

Sweetspot

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



50, 19.863, 176.532



66, 7.909, 179.214



50, 32.770, 135.351



35, 5.281, 179.115



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, 19.863, 176.532



63, 28.784, 175.501



47, 14.790, 228.510



26, 3.007, 179.520



47, 38.782, 167.657



0, 0.000, 0.000

Inverse Universe

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



39, 22.832, 4.762



47, 34.254, 6.365



42, 19.077, 44.288



25, 3.101, 0.997



26, 53.463, 24.330



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 19.862, 176.534 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 CIELCh color 50, 19.862, 176.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

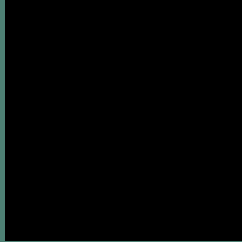
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 19.862, 176.534

Background



This preview shows how black text looks on a background with the CIELCh color 50, 19.862, 176.534.

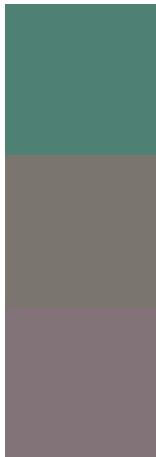


This preview shows how white text looks on a background with the CIELCh color 50, 19.862, 176.534.

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, 19.862, 176.534

Protanopia

50, 4.394, 87.505

Deuteranopia

50, 6.176, 357.903



Tritanopia
50, 15.653, 222.554

Trichromacy



Original Color
50, 19.862, 176.534

Protanomaly
50, 8.348, 159.451

Deuteranomaly
50, 3.780, 181.019

Tritanomaly
50, 15.946, 204.178

Monochromacy



Original Color
50, 19.862, 176.534

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.515, 180.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 19.862, 176.534 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(78, 128, 116)` looks like.

```
.text, #text, p{  
    color:rgb(78, 128, 116)  
}
```

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(78, 128, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 128, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 19.862, 176.534 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(78, 128, 116) }
```

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

```
.border{ border-color:rgb(78, 128, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 128, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 128, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 128, 116);  
box-shadow:4px 4px 4px 4px rgb(78, 128,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 19.862, 176.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 128, 116) }
```

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

```
.background{ background-color: rgb(78, 128,  
116) }
```

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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