

Converting Colors

CIELCh(50, 17.723, 197.572)

Have a look what the booklet for
CIELCh(50, 17.723, 197.572)
contains.

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Color

CIELCh(50, 17.590, 197.601)

Conversions

Conversions Part 1

Format	Color
Hex	4D7F7F
RGB	77, 127, 127
RGB Percent	30%, 50%, 50%
CMY	0.6965, 0.5004, 0.5004
CMYK	0.39, 0.00, 0.00, 0.50
HSL	180°, 24%, 40%
HSV	180°, 39%, 50%
XYZ	14.5899, 18.4187, 23.0005
YIQ	112.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

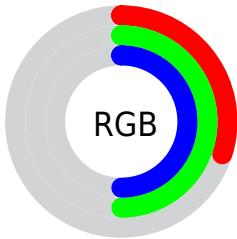
Format	Color
R_{YB}	77, 102, 127
Decimal	5078911
CIE Lab	50.00, -16.77, -5.32
CIE LCh	50, 17.590, 197.601
Yxy	18.4187, 0.2605, 0.3289
Android (android.graphics.Color)	4283268991 (0xFF4D7F7F)
YUV	112.0500, 7.3704, -30.7388
Hunter-Lab	42.9170, -14.4224, -1.7335

Details

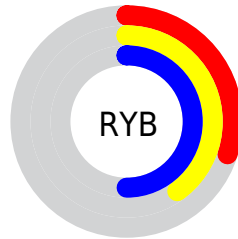
The CIELCh color **50, 17.590, 197.601** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **39, 22.927, 22.948**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 17.527, 198.014**, and **30, 17.627, 196.880** is the 20% darker color. If you saturate the color by 10%, you get **49, 21.057, 197.249**, and if you desaturate by 10%, it is **51, 13.640, 198.005**.

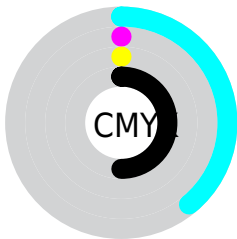
Distribution



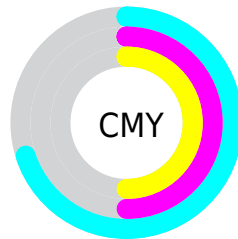
- Red (30%)
- Green (50%)
- Blue (50%)



- Red (30%)
- Yellow (40%)
- Blue (50%)



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





- Cyan (70%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 17.590, 197.601 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, 17.590, 197.601 by changing the saturation by 10% instead.


 50, 17.590,
197.601


 50, 17.590,
197.601


 100, 17.590,
197.601


 40, 17.590,
197.601


 70, 17.590,
197.601

 30, 17.590,
197.601


 80, 17.590,
197.601


 20, 17.590,
197.601

 90, 17.590,
197.601

 10, 17.590,
197.601

 0, 17.590, 197.601

 50, 17.590,
197.601

 50, 17.590,
197.601

■ 49, 21.057,
197.249

■ 51, 13.640,
198.005

■ 49, 23.980,
196.959

■ 51, 9.278, 198.467

■ 49, 26.313,
196.730

■ 52, 4.580, 199.001

■ 53, 0.380, 18.398

■ 48, 28.042,
196.562

■ 55, 5.536, 19.922

■ 48, 29.180,
196.452

■ 56, 10.830, 20.532

■ 57, 16.211, 21.134

■ 48, 29.909,
196.381

■ 58, 21.640, 21.739

■ 48, 29.963,
196.376

■ 60, 27.085, 22.345

Harmonies

Complementary

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



50, 17.590, 197.601



39, 22.927, 22.948

Rectangle

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



50, 17.590, 197.601



50, 17.590, 247.601



50, 17.590, 17.601



50, 17.590, 67.601

Sweetspot

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



50, 17.590, 197.598



67, 7.312, 198.828



49, 35.271, 141.263



35, 4.875, 198.771



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, 17.590, 197.598



63, 25.064, 197.286



43, 16.748, 259.890



26, 2.793, 199.010



48, 29.979, 196.376



0, 0.000, 0.000

Inverse Universe

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



39, 22.927, 22.948



47, 34.997, 24.380



45, 18.854, 69.002



25, 2.951, 19.869



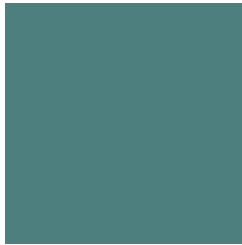
25, 61.099, 38.344



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 17.590, 197.601 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, 17.590, 197.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

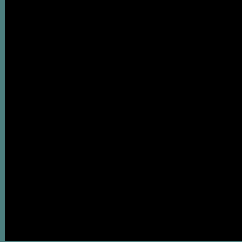
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

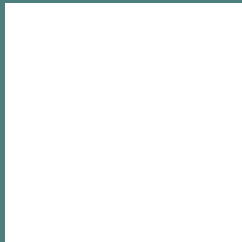
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 17.590, 197.601

Background



This preview shows how black text looks on a background with the CIELCh color 50, 17.590, 197.601.



This preview shows how white text looks on a background with the CIELCh color 50, 17.590, 197.601.

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, 17.590, 197.601

Protanopia

50, 2.488, 309.172

Deuteranopia

50, 9.672, 315.119



Tritanopia
50, 16.589, 218.754

Trichromacy



Original Color
50, 17.590, 197.601

Protanomaly
50, 6.352, 214.945

Deuteranomaly
50, 6.877, 249.322

Tritanomaly
50, 16.835, 209.915

Monochromacy



Original Color
50, 17.590, 197.601

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 7.356, 198.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 17.590, 197.601 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(77, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(77, 127, 127)  
}
```

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(77, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 127, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 17.590, 197.601 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(77, 127, 127) }
```

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

```
.border{ border-color:rgb(77, 127, 127) }
```

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

Here you see how a box with a 4 pixel rgb(77, 127, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(77, 127,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 17.590, 197.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 127, 127) }
```

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

```
.background{ background-color: rgb(77, 127,  
127) }
```

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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