

Converting Colors

CIELCh(50, 15.849, 198.498)

Have a look what the booklet for
CIELCh(50, 15.849, 198.498)
contains.

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Color

CIELCh(50, 16.094, 197.754)

Conversions

Conversions Part 1

Format	Color
Hex	527F7F
RGB	82, 127, 127
RGB Percent	32%, 50%, 50%
CMY	0.6794, 0.5030, 0.5030
CMYK	0.36, 0.00, 0.00, 0.50
HSL	180°, 22%, 41%
HSV	180°, 36%, 50%
XYZ	14.8264, 18.4187, 22.7630
YIQ	113.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

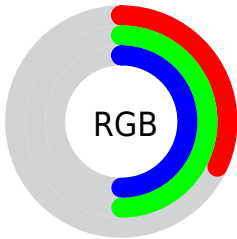
Format	Color
R_{YB}	82, 105, 127
Decimal	5406591
CIE _{Lab}	50.00, -15.33, -4.91
CIE _{LCh}	50, 16.094, 197.754
Yxy	18.4187, 0.2647, 0.3289
Android (android.graphics.Color)	4283596671 (0xFF527F7F)
YUV	113.5450, 6.6333, -27.6650
Hunter-Lab	42.9170, -13.4386, -1.4053

Details

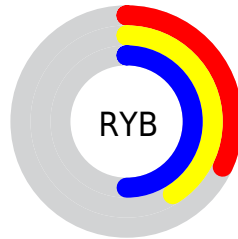
The CIELCh color **50, 16.094, 197.754** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **40, 20.388, 22.435**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 15.969, 198.141**, and **30, 16.272, 197.068** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.736, 197.380**, and if you desaturate by 10%, it is **51, 11.998, 198.178**.

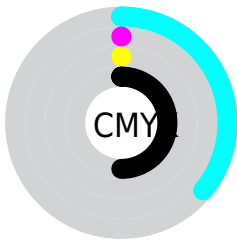
Distribution



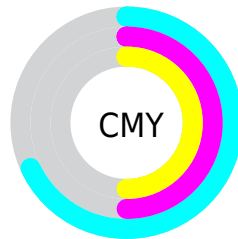
- Red (32%)
- Green (50%)
- Blue (50%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 16.094, 197.754 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, 16.094, 197.754 by changing the saturation by 10% instead.


 50, 16.094,
197.754


 50, 16.094,
197.754


 100, 16.094,
197.754


 40, 16.094,
197.754


 70, 16.094,
197.754

 30, 16.094,
197.754


 80, 16.094,
197.754


 20, 16.094,
197.754

 90, 16.094,
197.754

 10, 16.094,
197.754

 0, 16.094, 197.754

 50, 16.094,
197.754

 50, 16.094,
197.754

■ 49, 19.736,
197.380

■ 51, 11.998,
198.178

■ 49, 22.857,
197.068

■ 52, 7.520, 198.662

■ 48, 25.405,
196.816

■ 53, 2.736, 199.258

■ 54, 2.284, 19.477

■ 48, 27.354,
196.626

■ 55, 7.475, 20.159

■ 48, 28.706,
196.495

■ 56, 12.784, 20.762

■ 57, 18.165, 21.364

■ 48, 29.529,
196.416

■ 59, 23.580, 21.970

■ 48, 29.849,
196.385

■ 60, 29.000, 22.575

Harmonies

Complementary

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



50, 16.094, 197.754



40, 20.388, 22.435

Rectangle

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



50, 16.094, 197.754



50, 16.094, 247.754



50, 16.094, 17.754



50, 16.094, 67.754

Sweetspot

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



50, 16.094, 197.751



67, 6.720, 198.890



49, 31.847, 141.597



35, 4.538, 198.828



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, 16.094, 197.751



64, 23.389, 197.431



43, 15.137, 259.091



26, 2.793, 199.016



48, 29.978, 196.385



0, 0.000, 0.000

Inverse Universe

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



40, 20.388, 22.435



48, 31.627, 23.682



45, 16.826, 69.445



25, 2.951, 19.874



25, 61.101, 38.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 50, 16.094, 197.754 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, 16.094, 197.754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

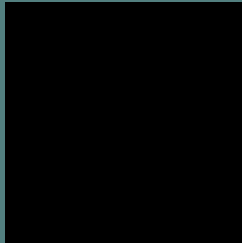
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 16.094, 197.754

Background



This preview shows how black text looks on a background with the CIELCh color 50, 16.094, 197.754.



This preview shows how white text looks on a background with the CIELCh color 50, 16.094, 197.754.

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, 16.094, 197.754

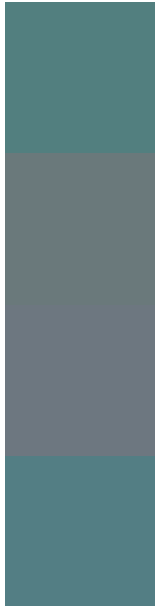
Protanopia
50, 1.944, 314.706

Deuteranopia
50, 9.144, 316.608



Tritanopia
50, 15.225, 220.863

Trichromacy



Original Color
50, 16.094, 197.754

Protanomaly
50, 5.887, 210.370

Deuteranomaly
50, 6.436, 254.445

Tritanomaly
50, 15.397, 211.210

Monochromacy



Original Color
50, 16.094, 197.754

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.238, 198.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 16.094, 197.754 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(82, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 127, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 16.094, 197.754 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(82, 127, 127) }
```

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

```
.border{ border-color:rgb(82, 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(82, 127, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(82, 127,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 16.094, 197.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 127, 127) }
```

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

```
.background{ background-color: rgb(82, 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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