

Converting Colors

CIELCh(50, 9.776, 193.262)

Have a look what the booklet for
CIELCh(50, 9.776, 193.262) contains.

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Color

CIELCh(50, 10.004, 191.612)

Conversions

Conversions Part 1

Format	Color
Hex	627C7A
RGB	98, 124, 122
RGB Percent	38%, 49%, 48%
CMY	0.6157, 0.5137, 0.5215
CMYK	0.21, 0.00, 0.02, 0.51
HSL	175°, 12%, 44%
HSV	175°, 21%, 49%
XYZ	15.7589, 18.4187, 21.1384
YIQ	115.9980, -14.8540, -6.1340

Conversions

Conversions Part 2

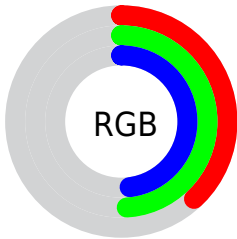
Format	Color
R _Y B	98, 112, 124
Decimal	6454394
CIE Lab	50.00, -9.80, -2.01
CIE LCh	50, 10.004, 191.612
Yxy	18.4187, 0.2849, 0.3330
Android (android.graphics.Color)	4284644474 (0xFF627C7A)
YUV	115.9980, 2.9590, -15.7842
Hunter-Lab	42.9170, -9.5603, 0.8391

Details

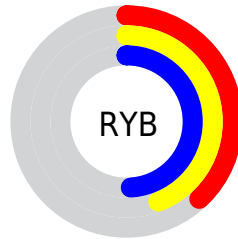
The CIELCh color **50, 10.004, 191.612** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 11.197, 14.788**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 10.307, 189.390**, and **30, 9.848, 190.404** is the 20% darker color. If you saturate the color by 10%, you get **49, 14.356, 190.899**, and if you desaturate by 10%, it is **51, 5.355, 192.335**.

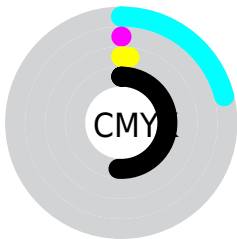
Distribution



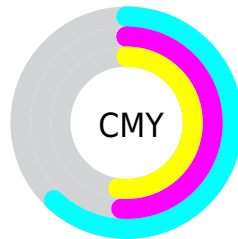
- Red (38%)
- Green (49%)
- Blue (48%)



- Red (38%)
- Yellow (44%)
- Blue (49%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)





- Cyan (62%)
- Magenta (51%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 10.004, 191.612 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, 10.004, 191.612 by changing the saturation by 10% instead.


 50, 10.004,
191.612


 50, 10.004,
191.612


 100, 10.004,
191.612


 40, 10.004,
191.612


 70, 10.004,
191.612

 30, 10.004,
191.612


 80, 10.004,
191.612


 20, 10.004,
191.612

 90, 10.004,
191.612

 10, 10.004,
191.612

 0, 10.004, 191.612

 50, 10.004,
191.612

 50, 10.004,
191.612

■ 49, 14.356,
190.899

■ 51, 5.355, 192.335

■ 49, 18.332,
190.195

■ 52, 0.479, 193.753

■ 53, 4.557, 13.571

■ 48, 21.861,
189.486

■ 54, 9.699, 14.308

■ 47, 24.875,
188.764

■ 56, 14.899, 15.011

■ 57, 20.120, 15.701

■ 47, 27.329,
188.018

■ 58, 25.332, 16.379

■ 47, 29.199,
187.235

■ 60, 30.514, 17.046

■ 61, 35.650, 17.700

■ 47, 30.499,
186.401

■ 47, 31.392,
185.632

Harmonies

Complementary

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



50, 10.004, 191.612



44, 11.197, 14.788

Rectangle

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



50, 10.004, 191.612



50, 10.004, 241.612



50, 10.004, 11.612



50, 10.004, 61.612

Sweetspot

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



50, 10.005, 191.607



65, 3.654, 192.725



50, 18.121, 141.038



34, 2.440, 192.680



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 10.005, 191.607



63, 14.558, 191.278



47, 8.465, 248.511



25, 2.731, 192.483



47, 31.566, 185.625



90, 53.360, 185.087

Inverse Universe

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



44, 11.197, 14.788



55, 16.742, 15.302



47, 9.180, 63.741



24, 2.862, 13.635



25, 57.919, 35.063



53, 100.639, 37.682

Previews

White Background



This preview shows how the CIE LCh color 50, 10.004, 191.612 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, 10.004, 191.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

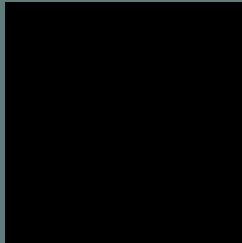
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

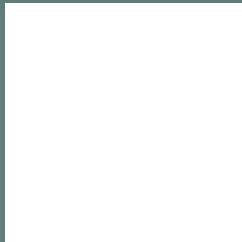
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 10.004, 191.612

Background



This preview shows how black text looks on a background with the CIELCh color 50, 10.004, 191.612.



This preview shows how white text looks on a background with the CIELCh color 50, 10.004, 191.612.

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, 10.004, 191.612

Protanopia

50, 1.352, 353.669

Deuteranopia

50, 7.439, 335.237



Tritanopia
50, 9.850, 235.380

Trichromacy



Original Color
50, 10.004, 191.612

Protanomaly
50, 2.772, 199.235

Deuteranomaly
50, 2.952, 282.890

Tritanomaly
50, 9.346, 216.885

Monochromacy



Original Color
50, 10.004, 191.612

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.010, 190.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 10.004, 191.612 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(98, 124, 122)` looks like.

```
.text, #text, p{  
    color:rgb(98, 124, 122)  
}
```

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(98, 124, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 124, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 10.004, 191.612 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(98, 124, 122) }
```

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

```
.border{ border-color:rgb(98, 124, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 124, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 124, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 124, 122);  
box-shadow:4px 4px 4px 4px rgb(98, 124,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 10.004, 191.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 124, 122) }
```

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

```
.background{ background-color: rgb(98, 124,  
122) }
```

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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