

Converting Colors

CIE LCh(49, 11.010, 152.137)

Have a look what the booklet for
CIELCh(49, 11.010, 152.137)
contains.

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Color

CIELCh(49, 11.315, 151.794)

Conversions

Conversions Part 1

Format	Color
Hex	66796B
RGB	102, 121, 107
RGB Percent	40%, 47%, 42%
CMY	0.5996, 0.5251, 0.5800
CMYK	0.16, 0.00, 0.12, 0.53
HSL	136°, 9%, 44%
HSV	136°, 16%, 47%
XYZ	14.9999, 17.5941, 16.5432
YIQ	113.7230, -6.8300, -8.3820

Conversions

Conversions Part 2

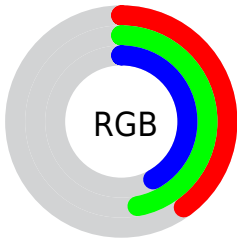
Format	Color
R_{YB}	102, 117, 121
Decimal	6715755
CIE Lab	49.00, -9.97, 5.35
CIE LCh	49, 11.315, 151.794
Yxy	17.5941, 0.3053, 0.3581
Android (android.graphics.Color)	4284905835 (0xFF66796B)
YUV	113.7230, -3.3144, -10.2811
Hunter-Lab	41.9453, -9.5713, 5.9777

Details

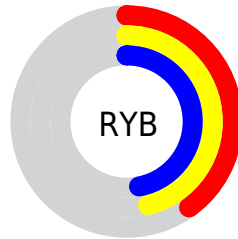
The CIELCh color $49, 11.315, 151.794$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 11.377, 333.817$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 11.251, 151.585$, and $29, 10.839, 152.467$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.552, 150.981$, and if you desaturate by 10%, it is $50, 4.083, 152.532$.

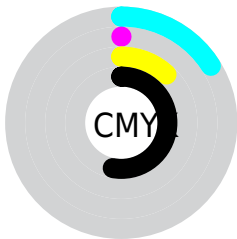
Distribution



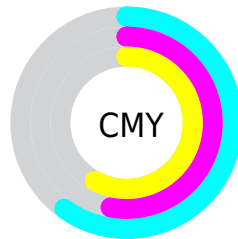
- Red (40%)
- Green (47%)
- Blue (42%)



- Red (40%)
- Yellow (46%)
- Blue (47%)



- Cyan (16%)
- Magenta (0%)
- Yellow (12%)
- Black (53%)




- Cyan (60%)
- Magenta (53%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 11.315, 151.794 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 49, 11.315, 151.794 by changing the saturation by 10% instead.

 49, 11.315,
151.794


 49, 11.315,
151.794


 100, 11.315,
151.794


 39, 11.315,
151.794


 69, 11.315,
151.794


 29, 11.315,
151.794


 79, 11.315,
151.794

 19, 11.315,
151.794


 89, 11.315,
151.794

 9, 11.315, 151.794

 99, 11.315,
151.794

 0, 11.315, 151.794

 49, 11.315,

 49, 11.315,

151.794

■ 48, 18.552,
150.981

■ 47, 25.698,
150.054

■ 46, 32.642,
148.991

■ 46, 39.258,
147.777

■ 45, 45.413,
146.401

■ 45, 50.979,
144.865

■ 44, 55.843,
143.191

■ 44, 59.959,
141.471

151.794

■ 50, 4.083, 152.532

■ 51, 3.077, 333.019

■ 53, 10.108,
333.615

■ 54, 16.974,
334.107

■ 56, 23.652,
334.542

■ 57, 30.126,
334.932

■ 59, 36.394,
335.284

■ 61, 42.454,
335.605

■ 44, 61.579,
140.830

■ 63, 48.312,
335.897

Harmonies

Complementary

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



49, 11.315, 151.794



45, 11.377, 333.817

Rectangle

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



49, 11.315, 151.794



49, 11.315, 201.794



49, 11.315, 331.794



49, 11.315, 21.794

Sweetspot

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



49, 11.316, 151.793



64, 4.458, 152.575



50, 11.230, 118.977



33, 3.026, 152.532



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 11.316, 151.793



62, 17.059, 151.498



49, 8.013, 178.168



25, 4.085, 152.283



45, 63.074, 140.763



87, 108.812, 139.711

Inverse Universe

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



45, 11.377, 333.817



57, 17.163, 334.073



45, 8.432, 0.967



24, 4.102, 333.372



27, 56.096, 341.665



56, 93.547, 342.605

Previews

White Background



This preview shows how the CIELCh color 49, 11.315, 151.794 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 49, 11.315, 151.794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

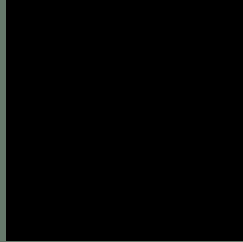
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 11.315, 151.794

Background



This preview shows how black text looks on a background with the CIELCh color 49, 11.315, 151.794.

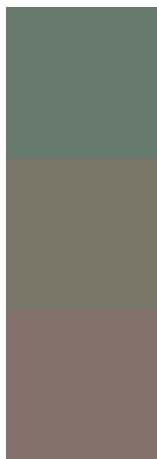


This preview shows how white text looks on a background with the CIELCh color 49, 11.315, 151.794.

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

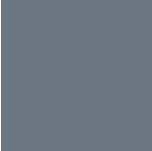
49, 11.315, 151.794

Protanopia

49, 7.321, 92.475

Deuteranopia

49, 7.779, 33.198



Tritanopia
49, 7.333, 252.558

Trichromacy



Original Color
49, 11.315, 151.794

Protanomaly
49, 7.788, 121.505

Deuteranomaly
49, 4.588, 82.621

Tritanomaly
49, 5.474, 205.058

Monochromacy



Original Color
49, 11.315, 151.794

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.551, 148.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 11.315, 151.794 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(102, 121, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 121, 107)  
}
```

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(102, 121, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 121, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 11.315, 151.794 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(102, 121, 107) }
```

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

```
.border{ border-color:rgb(102, 121, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 121, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 121, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 121, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 121,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 11.315, 151.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 121, 107) }
```

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

```
.background{ background-color: rgb(102,  
121, 107) }
```

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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