

Converting Colors

CIELCh(49, 10.327, 157.442)

Have a look what the booklet for
CIELCh(49, 10.327, 157.442)
contains.

CIELCh(49, 10.459, 156.056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 10.459, 156.056)

Conversions

Conversions Part 1

Format	Color
Hex	66796D
RGB	102, 121, 109
RGB Percent	40%, 47%, 43%
CMY	0.6001, 0.5256, 0.5727
CMYK	0.16, 0.00, 0.10, 0.53
HSL	142°, 9%, 44%
HSV	142°, 16%, 47%
XYZ	15.0687, 17.5941, 17.0616
YIQ	113.9510, -7.4720, -7.7600

Conversions

Conversions Part 2

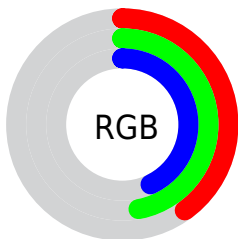
Format	Color
R_{YB}	102, 116, 121
Decimal	6715757
CIE _{Lab}	49.00, -9.56, 4.24
CIE _{LCh}	49, 10.459, 156.056
Yxy	17.5941, 0.3030, 0.3538
Android (android.graphics.Color)	4284905837 (0xFF66796D)
YUV	113.9510, -2.4408, -10.4810
Hunter-Lab	41.9453, -9.2786, 5.2450

Details

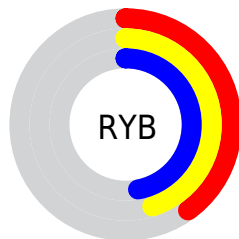
The CIELCh color $49, 10.459, 156.056$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 10.563, 338.286$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 10.448, 155.563$, and $29, 9.912, 157.453$ is the 20% darker color. If you saturate the color by 10%, you get $48, 17.118, 155.185$, and if you desaturate by 10%, it is $50, 3.785, 156.858$.

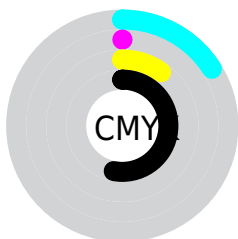
Distribution



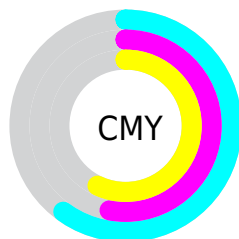
- Red (40%)
- Green (47%)
- Blue (43%)



- Red (40%)
- Yellow (45%)
- Blue (47%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (53%)




- Cyan (60%)
- Magenta (53%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 10.459, 156.056 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, 10.459, 156.056 by changing the saturation by 10% instead.


 49, 10.459,
156.056


 49, 10.459,
156.056


 100, 10.459,
156.056


 39, 10.459,
156.056

 69, 10.459,
156.056


 29, 10.459,
156.056

 79, 10.459,
156.056

 19, 10.459,
156.056

 89, 10.459,
156.056

 9, 10.459, 156.056

 99, 10.459,
156.056

 0, 10.459, 156.056

 49, 10.459,

 49, 10.459,

156.056

■ 48, 17.118,
155.185

■ 47, 23.675,
154.205

■ 46, 30.031,
153.092

■ 46, 36.079,
151.824

■ 45, 41.708,
150.384

■ 45, 46.821,
148.762

■ 44, 51.343,
146.962

■ 44, 55.276,
145.049

156.056

■ 50, 3.785, 156.858

■ 51, 2.840, 337.383

■ 53, 9.363, 338.054

■ 54, 15.749,
338.616

■ 56, 21.971,
339.121

■ 57, 28.016,
339.583

■ 59, 33.876,
340.007

■ 61, 39.550,
340.400

■ 62, 45.041,

■ 44, 56.878,
144.302

340.764

Harmonies

Complementary

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



49, 10.459, 156.056



45, 10.563, 338.286

Rectangle

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



49, 10.459, 156.056



49, 10.459, 206.056



49, 10.459, 336.056



49, 10.459, 26.056

Sweetspot

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



49, 10.460, 156.054



64, 4.127, 156.907



50, 11.446, 123.508



33, 2.801, 156.860



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, 10.460, 156.054



62, 15.760, 155.738



49, 7.578, 187.270



25, 3.779, 156.587



45, 58.316, 144.223



87, 100.882, 143.002

Inverse Universe

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



45, 10.563, 338.286



57, 15.946, 338.578



45, 8.143, 9.806



24, 3.805, 337.781



27, 52.640, 349.247



55, 87.736, 350.819

Previews

White Background



This preview shows how the CIELCh color 49, 10.459, 156.056 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, 10.459, 156.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

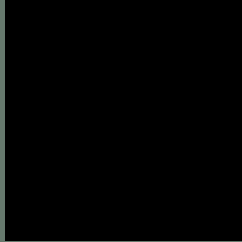
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 10.459, 156.056

Background



This preview shows how black text looks on a background with the CIELCh color 49, 10.459, 156.056.

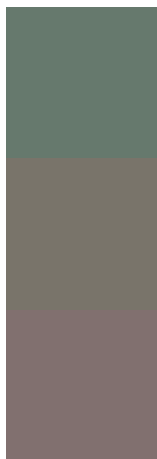


This preview shows how white text looks on a background with the CIELCh color 49, 10.459, 156.056.

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

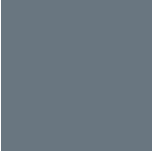
49, 10.459, 156.056

Protanopia

49, 6.205, 89.625

Deuteranopia

49, 7.123, 24.875



Tritanopia
49, 7.558, 250.310

Trichromacy



Original Color
49, 10.459, 156.056

Protanomaly
49, 6.652, 123.721

Deuteranomaly
49, 3.352, 80.217

Tritanomaly
49, 5.901, 210.369

Monochromacy



Original Color
49, 10.459, 156.056

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.104, 153.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 10.459, 156.056 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 121, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 121, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 10.459, 156.056 is called "border". The border property can be set on classes, ids or directly on the HTML element.

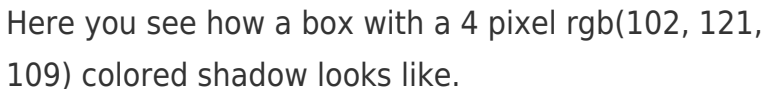
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 121, 109) }
```

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

```
.border{ border-color:rgb(102, 121, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 121, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 121, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 121,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 10.459, 156.056 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, 109) }
```

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

```
.background{ background-color: rgb(102,  
121, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor