

Converting Colors

CIELCh(49, 15.761, 109.554)

Have a look what the booklet for
CIELCh(49, 15.761, 109.554)
contains.

CIELCh(49, 15.707, 109.655)	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, 15.707, 109.655)

Conversions

Conversions Part 1

Format	Color
Hex	75765B
RGB	117, 118, 91
RGB Percent	46%, 46%, 36%
CMY	0.5400, 0.5360, 0.6420
CMYK	0.01, 0.00, 0.23, 0.54
HSL	62°, 13%, 41%
HSV	62°, 23%, 46%
XYZ	15.7944, 17.5941, 12.5286
YIQ	114.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

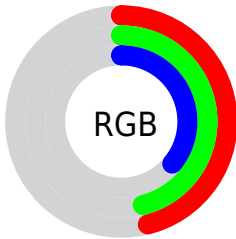
Format	Color
R_{YB}	91, 118, 92
Decimal	7698011
CIE Lab	49.00, -5.28, 14.79
CIE LCh	49, 15.707, 109.655
Yxy	17.5941, 0.3440, 0.3832
Android (android.graphics.Color)	4285888091 (0xFF75765B)
YUV	114.6230, -11.6461, 2.0846
Hunter-Lab	41.9453, -6.1907, 11.6524

Details

The CIELCh color $49, 15.707, 109.655$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 16.524, 293.965$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.817, 110.005$, and $29, 15.848, 110.648$ is the 20% darker color. If you saturate the color by 10%, you get $49, 22.456, 108.795$, and if you desaturate by 10%, it is $49, 8.857, 110.528$.

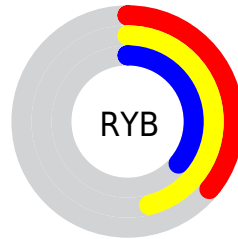
Distribution



Red (46%)

Green (46%)

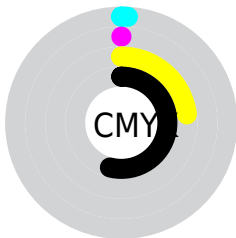
Blue (36%)



Red (36%)

Yellow (46%)

Blue (36%)

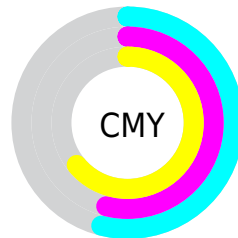


Cyan (1%)

Magenta (0%)

Yellow (23%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.707, 109.655 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, 15.707, 109.655 by changing the saturation by 10% instead.


 49, 15.707,
109.655


 49, 15.707,
109.655


 100, 15.707,
109.655


 39, 15.707,
109.655

 69, 15.707,
109.655


 29, 15.707,
109.655

 79, 15.707,
109.655

 19, 15.707,
109.655


 89, 15.707,
109.655

 9, 15.707, 109.655

 99, 15.707,
109.655

 0, 15.707, 109.655

 49, 15.707,

 49, 15.707,

109.655

■ 49, 22.456,
108.795

■ 48, 29.026,
107.954

■ 48, 35.304,
107.162

■ 48, 41.121,
106.448

■ 48, 46.240,
105.851

■ 48, 50.369,
105.416

■ 48, 53.243,
105.180

■ 48, 54.997,
105.055

109.655

■ 49, 8.857, 110.528

■ 50, 1.954, 111.378

■ 50, 4.969, 292.247

■ 50, 11.889,
293.062

■ 51, 18.788,
293.848

■ 51, 25.656,
294.601

■ 52, 32.481,
295.316

■ 53, 39.258,
295.993

■ 53, 45.980,

Harmonies

Complementary

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



49, 15.707, 109.655



40, 16.524, 293.965

Rectangle

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



49, 15.707, 109.655



49, 15.707, 159.655



49, 15.707, 289.655



49, 15.707, 339.655

Sweetspot

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



49, 15.708, 109.659



63, 5.968, 111.015



42, 11.464, 23.609



32, 3.854, 110.982



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 15.708, 109.659



62, 22.872, 109.240



48, 16.950, 129.249



25, 3.859, 110.857



49, 56.352, 105.063



95, 95.550, 105.185

Inverse Universe

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



40, 16.524, 293.965



49, 24.352, 294.570



41, 17.423, 311.213



22, 3.939, 292.465



12, 77.503, 306.466



32, 131.620, 306.362

Previews

White Background



This preview shows how the CIELCh color 49, 15.707, 109.655 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, 15.707, 109.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

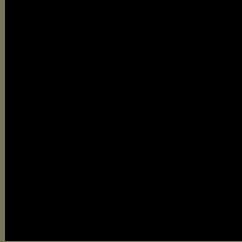
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

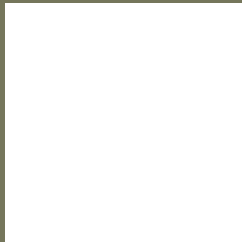
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 15.707, 109.655

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.707, 109.655.



This preview shows how white text looks on a background with the CIELCh color 49, 15.707, 109.655.

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, 15.707, 109.655

Protanopia

49, 15.569, 95.052

Deuteranopia

49, 15.512, 65.425



Tritanopia
49, 6.012, 318.422

Trichromacy



Original Color
49, 15.707, 109.655

Protanomaly
49, 15.868, 100.110

Deuteranomaly
49, 14.514, 81.322

Tritanomaly
49, 3.346, 80.223

Monochromacy



Original Color
49, 15.707, 109.655

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 5.854, 109.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.707, 109.655 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(117, 118, 91)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 91)  
}
```

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(117, 118, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.707, 109.655 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(117, 118, 91) }
```

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

```
.border{ border-color:rgb(117, 118, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 91);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.707, 109.655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 91) }
```

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

```
.background{ background-color: rgb(117,  
118, 91) }
```

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