

Converting Colors

CIELCh(49, 11.055, 113.154)

Have a look what the booklet for
CIELCh(49, 11.055, 113.154)
contains.

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Color

CIELCh(49, 11.115, 113.079)

Conversions

Conversions Part 1

Format	Color
Hex	747663
RGB	116, 118, 99
RGB Percent	45%, 46%, 39%
CMY	0.5448, 0.5370, 0.6115
CMYK	0.02, 0.00, 0.16, 0.54
HSL	66°, 9%, 43%
HSV	66°, 16%, 46%
XYZ	15.9545, 17.5941, 14.3771
YIQ	115.2360, 4.9070, -6.3330

Conversions

Conversions Part 2

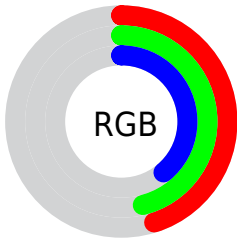
Format	Color
R_{YB}	99, 118, 101
Decimal	7632483
CIE Lab	49.00, -4.36, 10.23
CIE LCh	49, 11.115, 113.079
Yxy	17.5941, 0.3329, 0.3671
Android (android.graphics.Color)	4285822563 (0xFF747663)
YUV	115.2360, -8.0043, 0.6700
Hunter-Lab	41.9453, -5.5091, 9.0396

Details

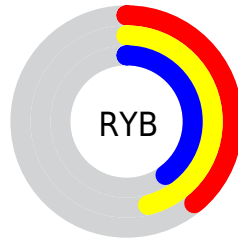
The CIELCh color $49, 11.115, 113.079$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 11.506, 295.687$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 10.954, 113.169$, and $29, 11.497, 112.716$ is the 20% darker color. If you saturate the color by 10%, you get $49, 17.951, 112.309$, and if you desaturate by 10%, it is $49, 4.215, 113.852$.

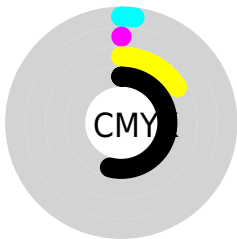
Distribution



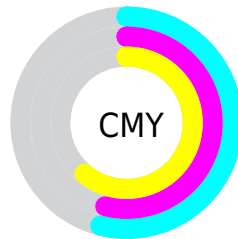
- Red (45%)
- Green (46%)
- Blue (39%)



- Red (39%)
- Yellow (46%)
- Blue (40%)



- Cyan (2%)
- Magenta (0%)
- Yellow (16%)
- Black (54%)





- Cyan (54%)
- Magenta (54%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 11.115, 113.079 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, 11.115, 113.079 by changing the saturation by 10% instead.


 49, 11.115,
113.079


 49, 11.115,
113.079


 100, 11.115,
113.079


 39, 11.115,
113.079


 69, 11.115,
113.079


 29, 11.115,
113.079


 79, 11.115,
113.079

 19, 11.115,
113.079


 89, 11.115,
113.079

 9, 11.115, 113.079

 99, 11.115,
113.079

 0, 11.115, 113.079

 49, 11.115,

 49, 11.115,

113.079

113.079

■ 49, 17.951,
112.309

■ 49, 4.215, 113.852

■ 48, 24.664,
111.544

■ 50, 2.714, 294.616

■ 50, 9.643, 295.341

■ 48, 31.167,
110.812

■ 51, 16.553,
296.040

■ 48, 37.333,
110.143

■ 51, 23.431,
296.706

■ 48, 42.976,
109.579

■ 52, 30.265,
297.337

■ 47, 47.840,
109.172

■ 53, 37.046,
297.931

■ 47, 51.630,
108.983

■ 53, 43.769,
298.490

■ 47, 54.266,
109.025

■ 54, 50.427,

■ 47, 55.262,
109.041

299.014

Harmonies

Complementary

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



49, 11.115, 113.079



43, 11.506, 295.687

Rectangle

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



49, 11.115, 113.079



49, 11.115, 163.079



49, 11.115, 293.079



49, 11.115, 343.079

Sweetspot

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



49, 11.116, 113.084



63, 4.274, 113.926



44, 7.404, 29.018



32, 2.899, 113.884



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, 11.116, 113.084



62, 16.207, 112.822



48, 12.134, 131.828



24, 3.871, 113.629



49, 56.708, 109.064



93, 96.217, 109.399

Inverse Universe

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



43, 11.506, 295.687



53, 16.902, 296.017



44, 12.334, 313.130



22, 3.950, 295.047



13, 77.088, 306.805



32, 131.183, 306.568

Previews

White Background



This preview shows how the CIELCh color 49, 11.115, 113.079 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, 11.115, 113.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

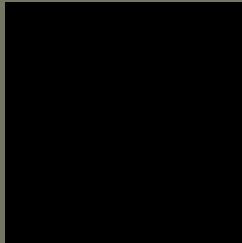
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

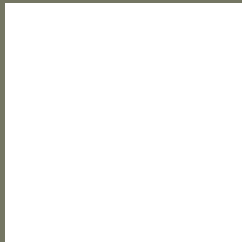
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 11.115, 113.079

Background



This preview shows how black text looks on a background with the CIELCh color 49, 11.115, 113.079.



This preview shows how white text looks on a background with the CIELCh color 49, 11.115, 113.079.

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, 11.115, 113.079

Protanopia

49, 10.938, 92.766

Deuteranopia

49, 11.563, 57.318



Tritanopia
49, 5.674, 311.263

Trichromacy



Original Color
49, 11.115, 113.079

Protanomaly
49, 11.156, 102.069

Deuteranomaly
49, 9.945, 74.822

Tritanomaly
49, 1.346, 45.009

Monochromacy



Original Color
49, 11.115, 113.079

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 4.124, 115.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 11.115, 113.079 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(116, 118, 99)` looks like.

```
.text, #text, p{  
    color:rgb(116, 118, 99)  
}
```

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(116, 118, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 118, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 11.115, 113.079 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(116, 118, 99) }
```

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

```
.border{ border-color:rgb(116, 118, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 118, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 118, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 118, 99);  
box-shadow:4px 4px 4px 4px rgb(116, 118,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 11.115, 113.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 118, 99) }
```

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

```
.background{ background-color: rgb(116,  
118, 99) }
```

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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