

Converting Colors

CIELCh(49, 16.338, 96.658)

Have a look what the booklet for
CIELCh(49, 16.338, 96.658) contains.

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Color

CIELCh(49, 16.135, 95.407)

Conversions

Conversions Part 1

Format	Color
Hex	7C7459
RGB	124, 116, 89
RGB Percent	49%, 45%, 35%
CMY	0.5125, 0.5439, 0.6498
CMYK	0.00, 0.06, 0.28, 0.51
HSL	46°, 16%, 42%
HSV	46°, 28%, 49%
XYZ	16.4519, 17.5941, 12.0438
YIQ	115.3140, 13.4350, -6.7010

Conversions

Conversions Part 2

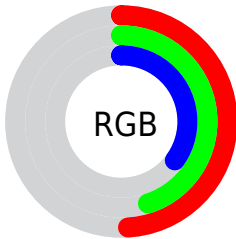
Format	Color
RYB	99, 124, 89
Decimal	8156249
CIELab	49.00, -1.52, 16.06
CIElCh	49, 16.135, 95.407
Yxy	17.5941, 0.3570, 0.3817
Android (android.graphics.Color)	4286346329 (0xFF7C7459)
YUV	115.3140, -12.9728, 7.6176
Hunter-Lab	41.9453, -3.3926, 12.3377

Details

The CIELCh color $49, 16.135, 95.407$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $42, 16.529, 282.435$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 16.246, 95.571$, and $29, 16.283, 94.655$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.911, 94.215$, and if you desaturate by 10%, it is $50, 10.366, 96.580$.

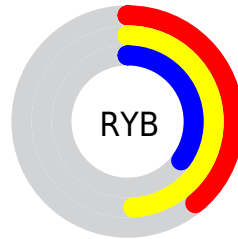
Distribution



Red (49%)

Green (45%)

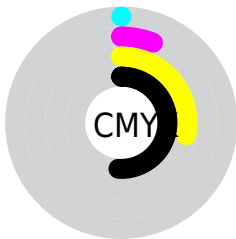
Blue (35%)



Red (39%)

Yellow (49%)

Blue (35%)

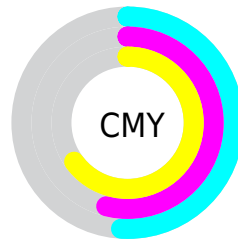


Cyan (0%)

Magenta (6%)

Yellow (28%)

Black (51%)



Cyan (51%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 16.135, 95.407 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, 16.135, 95.407 by changing the saturation by 10% instead.

■ 49, 16.135, 95.407

■ 49, 16.135, 95.407

■ 100, 16.135,
95.407

■ 39, 16.135, 95.407

■ 69, 16.135, 95.407

■ 29, 16.135, 95.407

■ 79, 16.135, 95.407

■ 19, 16.135, 95.407

■ 89, 16.135, 95.407

■ 9, 16.135, 95.407

■ 99, 16.135, 95.407

■ 0, 16.135, 95.407

■ 49, 16.135, 95.407

■ 49, 16.135, 95.407

■ 48, 21.911, 94.215

■ 50, 10.366, 96.580

■ 47, 27.632, 92.994

■ 51, 4.635, 97.704

46, 33.195, 91.750

52, 1.041, 278.950

45, 38.423, 90.479

54, 6.653, 279.911

44, 43.035, 89.164

55, 12.200,
280.919

43, 46.638, 87.764

56, 17.680,
281.886

42, 49.235, 86.283

42, 49.750, 86.028

57, 23.096,
282.809

58, 28.450,
283.686

60, 33.745,
284.517

Harmonies

Complementary

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



49, 16.135, 95.407



42, 16.529, 282.435

Rectangle

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



49, 16.135, 95.407



49, 16.135, 145.407



49, 16.135, 275.407



49, 16.135, 325.407

Sweetspot

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



49, 16.136, 95.413



65, 5.598, 97.702



42, 15.772, 3.680



34, 4.013, 97.559



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 16.136, 95.413



61, 24.063, 94.622



51, 20.560, 118.892



25, 3.157, 97.607



42, 49.932, 86.018



82, 83.678, 84.956

Inverse Universe

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



42, 16.529, 282.435



50, 24.830, 283.583



40, 21.737, 302.464



24, 3.185, 279.708



17, 64.710, 300.451



38, 114.396, 301.977

Previews

White Background



This preview shows how the CIELCh color 49, 16.135, 95.407 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, 16.135, 95.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

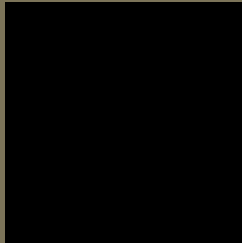
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.135, 95.407

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.135, 95.407.



This preview shows how white text looks on a background with the CIELCh color 49, 16.135, 95.407.

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, 16.135, 95.407

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 16.891, 69.080



Tritanopia
49, 8.372, 341.352

Trichromacy



Original Color
49, 16.135, 95.407

Protanomaly
49, 16.135, 95.407

Deuteranomaly
49, 16.222, 78.734

Tritanomaly
49, 6.186, 48.019

Monochromacy



Original Color
49, 16.135, 95.407

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.977, 97.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.135, 95.407 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(124, 116, 89)` looks like.

```
.text, #text, p{  
    color:rgb(124, 116, 89)  
}
```

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(124, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 116, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.135, 95.407 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(124, 116, 89) }
```

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

```
.border{ border-color:rgb(124, 116, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(124, 116,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.135, 95.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 116, 89) }
```

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

```
.background{ background-color: rgb(124,  
116, 89) }
```

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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