

Converting Colors

CIELCh(49, 15.618, 88.768)

Have a look what the booklet for
CIELCh(49, 15.618, 88.768) contains.

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Color

CIELCh(49, 15.558, 88.264)

Conversions

Conversions Part 1

Format	Color
Hex	7F735A
RGB	127, 115, 90
RGB Percent	50%, 45%, 35%
CMY	0.5009, 0.5480, 0.6461
CMYK	0.00, 0.09, 0.29, 0.50
HSL	41°, 17%, 43%
HSV	41°, 29%, 50%
XYZ	16.8072, 17.5941, 12.2376
YIQ	115.7380, 15.1770, -5.2310

Conversions

Conversions Part 2

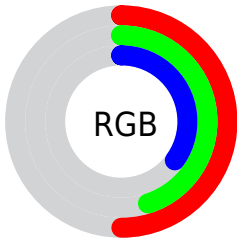
Format	Color
R_{YB}	108, 127, 90
Decimal	8352602
CIE _{Lab}	49.00, 0.47, 15.55
CIE _{LCh}	49, 15.558, 88.264
Yxy	17.5941, 0.3604, 0.3772
Android (android.graphics.Color)	4286542682 (0xFF7F735A)
YUV	115.7380, -12.6888, 9.8768
Hunter-Lab	41.9453, -1.8806, 12.0637

Details

The CIELCh color $49, 15.558, 88.264$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 15.510, 276.063$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 15.679, 88.999$, and $29, 15.546, 88.515$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.078, 86.976$, and if you desaturate by 10%, it is $50, 10.114, 89.526$.

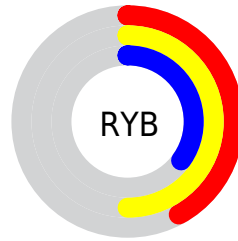
Distribution



Red (50%)

Green (45%)

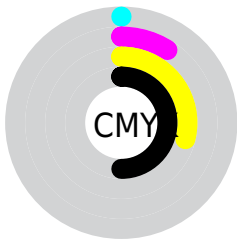
Blue (35%)



Red (42%)

Yellow (50%)

Blue (35%)

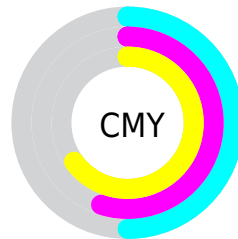


Cyan (0%)

Magenta (9%)

Yellow (29%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 15.558, 88.264 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, 15.558, 88.264 by changing the saturation by 10% instead.

■ 49, 15.558, 88.264

■ 49, 15.558, 88.264

■ 100, 15.558,
88.264

■ 39, 15.558, 88.264

■ 69, 15.558, 88.264

■ 29, 15.558, 88.264

■ 79, 15.558, 88.264

■ 19, 15.558, 88.264

■ 89, 15.558, 88.264

■ 9, 15.558, 88.264

■ 99, 15.558, 88.264

■ 0, 15.558, 88.264

■ 49, 15.558, 88.264

■ 49, 15.558, 88.264

■ 48, 21.078, 86.976

■ 50, 10.114, 89.526

■ 46, 26.628, 85.643

■ 52, 4.766, 90.730

45, 32.121, 84.266

53, 0.481, 272.296

44, 37.397, 82.824

55, 5.626, 273.112

42, 42.177, 81.269

57, 10.674,
274.186

41, 46.037, 79.505

58, 15.630,
275.221

40, 49.075, 77.594

40, 49.387, 77.439

60, 20.502,
276.208

61, 25.296,
277.148

63, 30.017,
278.040

Harmonies

Complementary

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



49, 15.558, 88.264



43, 15.510, 276.063

Rectangle

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



49, 15.558, 88.264



49, 15.558, 138.264



49, 15.558, 268.264



49, 15.558, 318.264

Sweetspot

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



49, 15.559, 88.270



66, 5.859, 90.715



43, 17.246, 356.674



35, 4.109, 90.568



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 15.559, 88.270



62, 23.368, 87.402



52, 21.352, 114.678



26, 2.960, 90.728



40, 49.453, 77.433



0, 0.000, 0.000

Inverse Universe

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



43, 15.510, 276.063



53, 23.294, 277.329



40, 22.751, 299.148



25, 2.963, 273.003



21, 57.420, 295.933



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 15.558, 88.264 looks on a white background.

Color Contrast Check

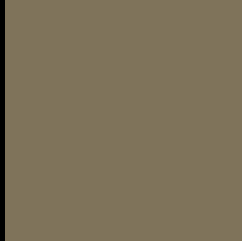
Large Text (above 18pt) WCAG AA ✓ Pass

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, 15.558, 88.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

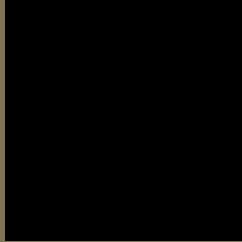
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.558, 88.264

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.558, 88.264.



This preview shows how white text looks on a background with the CIELCh color 49, 15.558, 88.264.

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, 15.558, 88.264

Protanopia

49, 15.004, 94.664

Deuteranopia

49, 16.424, 67.936



Tritanopia
49, 9.707, 347.727

Trichromacy



Original Color
49, 15.558, 88.264

Protanomaly
49, 15.117, 93.033

Deuteranomaly
49, 15.732, 74.077

Tritanomaly
49, 7.532, 38.150

Monochromacy



Original Color
49, 15.558, 88.264

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.515, 91.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.558, 88.264 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(127, 115, 90)` looks like.

```
.text, #text, p{  
    color:rgb(127, 115, 90)  
}
```

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(127, 115, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 115, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.558, 88.264 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(127, 115, 90) }
```

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

```
.border{ border-color:rgb(127, 115, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 115, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(127, 115,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.558, 88.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 115, 90) }
```

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

```
.background{ background-color: rgb(127,  
115, 90) }
```

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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