

Converting Colors

CIELCh(49, 12.557, 92.263)

Have a look what the booklet for
CIELCh(49, 12.557, 92.263) contains.

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Color

CIELCh(49, 12.747, 92.695)

Conversions

Conversions Part 1

Format	Color
Hex	7C745F
RGB	124, 116, 95
RGB Percent	49%, 45%, 37%
CMY	0.5138, 0.5452, 0.6275
CMYK	0.00, 0.06, 0.23, 0.51
HSL	43°, 13%, 43%
HSV	43°, 23%, 49%
XYZ	16.6155, 17.5941, 13.3411
YIQ	115.9980, 11.5090, -4.8350

Conversions

Conversions Part 2

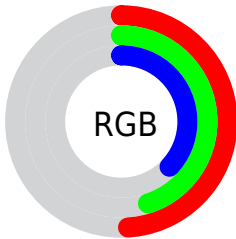
Format	Color
RYB	106, 124, 95
Decimal	8156255
CIELab	49.00, -0.60, 12.73
CIELCh	49, 12.747, 92.695
Yxy	17.5941, 0.3494, 0.3700
Android (android.graphics.Color)	4286346335 (0xFF7C745F)
YUV	115.9980, -10.3520, 7.0178
Hunter-Lab	41.9453, -2.6961, 10.5040

Details

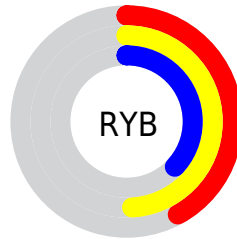
The CIELCh color $[49, 12.747, 92.695]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[44, 12.868, 278.603]$, and the grayscale version is $[49, 0.007, 296.813]$.

A 20% lighter version of the original color is $[69, 12.543, 92.275]$, and $[29, 12.619, 92.058]$ is the 20% darker color. If you saturate the color by 10%, you get $[48, 18.304, 91.471]$, and if you desaturate by 10%, it is $[50, 7.246, 93.893]$.

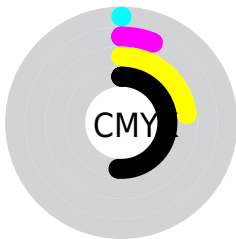
Distribution



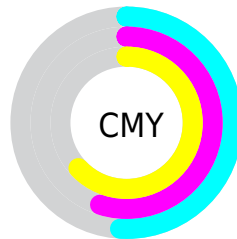
- Red (49%)
- Green (45%)
- Blue (37%)



- Red (42%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (51%)



- Cyan (51%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.747, 92.695 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, 12.747, 92.695 by changing the saturation by 10% instead.

■ 49, 12.747, 92.695

■ 49, 12.747, 92.695

■ 100, 12.747,
92.695

■ 39, 12.747, 92.695

■ 69, 12.747, 92.695

■ 29, 12.747, 92.695

■ 79, 12.747, 92.695

■ 19, 12.747, 92.695

■ 89, 12.747, 92.695

■ 9, 12.747, 92.695

■ 99, 12.747, 92.695

■ 0, 12.747, 92.695

■ 49, 12.747, 92.695

■ 49, 12.747, 92.695

■ 48, 18.304, 91.471

■ 50, 7.246, 93.893

■ 47, 23.877, 90.206

■ 52, 1.816, 94.996

45, 29.399, 88.908

53, 3.534, 276.234

44, 34.744, 87.571

54, 8.805, 277.284

43, 39.699, 86.175

56, 13.997,
278.305

42, 43.928, 84.672

57, 19.114,
279.282

41, 47.004, 82.984

41, 48.912, 81.897

58, 24.161,
280.212

60, 29.142,
281.094

61, 34.060,
281.931

Harmonies

Complementary

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



49, 12.747, 92.695



44, 12.868, 278.603

Rectangle

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



49, 12.747, 92.695



49, 12.747, 142.695



49, 12.747, 272.695



49, 12.747, 322.695

Sweetspot

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



49, 12.748, 92.702



65, 4.658, 94.604



43, 13.180, 359.451



34, 3.052, 94.556



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, 12.748, 92.702



62, 18.926, 92.057



51, 16.950, 117.147



25, 3.005, 94.392



41, 49.185, 81.877



79, 82.509, 80.550

Inverse Universe

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



44, 12.868, 278.603



54, 19.152, 279.471



42, 17.779, 300.337



24, 3.022, 276.575



19, 60.738, 298.382



40, 107.785, 300.114

Previews

White Background



This preview shows how the CIELCh color 49, 12.747, 92.695 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, 12.747, 92.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

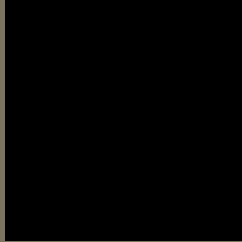
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.747, 92.695

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.747, 92.695.



This preview shows how white text looks on a background with the CIELCh color 49, 12.747, 92.695.

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, 12.747, 92.695

Protanopia

49, 12.633, 94.604

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 8.062, 339.462

Trichromacy



Original Color
49, 12.747, 92.695

Protanomaly
49, 12.633, 94.604

Deuteranomaly
49, 12.753, 70.716

Tritanomaly
49, 5.422, 26.140

Monochromacy



Original Color
49, 12.747, 92.695

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.836, 94.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.747, 92.695 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(124, 116, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 116, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.747, 92.695 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, 95) }
```

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

```
.border{ border-color:rgb(124, 116, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(124, 116,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.747, 92.695 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, 95) }
```

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

```
.background{ background-color: rgb(124,  
116, 95) }
```

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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