

Converting Colors

CIELCh(49, 12.536, 95.188)

Have a look what the booklet for
CIELCh(49, 12.536, 95.188) contains.

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Color

CIELCh(49, 12.633, 94.604)

Conversions

Conversions Part 1

Format	Color
Hex	7B745F
RGB	123, 116, 95
RGB Percent	48%, 45%, 37%
CMY	0.5168, 0.5443, 0.6267
CMYK	0.00, 0.06, 0.23, 0.52
HSL	45°, 13%, 43%
HSV	45°, 23%, 48%
XYZ	16.5417, 17.5941, 13.3978
YIQ	115.6990, 10.9130, -5.0470

Conversions

Conversions Part 2

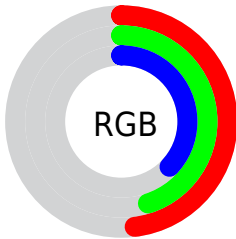
Format	Color
RYB	104, 123, 95
Decimal	8090719
CIELab	49.00, -1.01, 12.59
CIELCh	49, 12.633, 94.604
Yxy	17.5941, 0.3480, 0.3701
Android (android.graphics.Color)	4286280799 (0xFF7B745F)
YUV	115.6990, -10.2046, 6.4030
Hunter-Lab	41.9453, -3.0102, 10.4237

Details

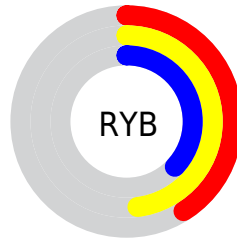
The CIELCh color $49, 12.633, 94.604$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $43, 12.820, 280.220$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 12.434, 94.052$, and $29, 12.488, 94.230$ is the 20% darker color. If you saturate the color by 10%, you get $48, 18.272, 93.408$, and if you desaturate by 10%, it is $50, 7.035, 95.776$.

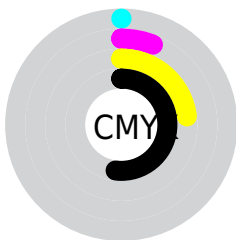
Distribution



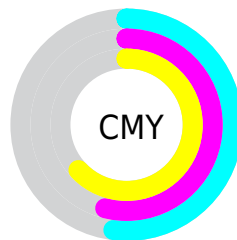
- Red (48%)
- Green (45%)
- Blue (37%)



- Red (41%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.633, 94.604 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, 12.633, 94.604 by changing the saturation by 10% instead.

■ 49, 12.633, 94.604

■ 49, 12.633, 94.604

■ 100, 12.633,
94.604

■ 39, 12.633, 94.604

■ 69, 12.633, 94.604

■ 29, 12.633, 94.604

■ 79, 12.633, 94.604

■ 19, 12.633, 94.604

■ 89, 12.633, 94.604

■ 9, 12.633, 94.604

■ 99, 12.633, 94.604

■ 0, 12.633, 94.604

■ 49, 12.633, 94.604

■ 49, 12.633, 94.604

■ 48, 18.272, 93.408

■ 50, 7.035, 95.776

■ 47, 23.909, 92.174

■ 51, 1.496, 96.844

46, 29.475, 90.913

53, 3.975, 278.060

45, 34.842, 89.621

54, 9.374, 279.093

44, 39.800, 88.285

55, 14.703,
280.094

43, 44.018, 86.871

56, 19.963,
281.050

42, 47.072, 85.312

41, 49.065, 84.193

58, 25.157,
281.961

59, 30.288,
282.825

60, 35.360,
283.643

Harmonies

Complementary

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



49, 12.633, 94.604



43, 12.820, 280.220

Rectangle

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



49, 12.633, 94.604



49, 12.633, 144.604



49, 12.633, 274.604



49, 12.633, 324.604

Sweetspot

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



49, 12.634, 94.611



65, 4.786, 96.399



43, 12.570, 1.772



34, 3.135, 96.352



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, 12.634, 94.611



62, 18.688, 94.022



50, 16.469, 118.545



25, 3.087, 96.191



42, 49.556, 84.162



80, 83.077, 82.979

Inverse Universe

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



43, 12.820, 280.220



54, 19.032, 281.006



42, 17.223, 301.452



24, 3.110, 278.329



18, 62.940, 299.559



39, 111.480, 301.180

Previews

White Background



This preview shows how the CIELCh color 49, 12.633, 94.604 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, 12.633, 94.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

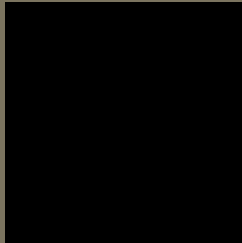
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

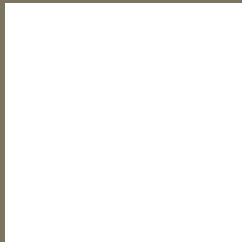
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 12.633, 94.604

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.633, 94.604.



This preview shows how white text looks on a background with the CIELCh color 49, 12.633, 94.604.

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, 12.633, 94.604

Protanopia

49, 12.633, 94.604

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 7.371, 340.785

Trichromacy



Original Color
49, 12.633, 94.604

Protanomaly
49, 12.633, 94.604

Deuteranomaly
49, 12.941, 73.711

Tritanomaly
49, 5.110, 33.088

Monochromacy



Original Color
49, 12.633, 94.604

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, 12.633, 94.604 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(123, 116, 95)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 116, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 116, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.633, 94.604 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(123, 116, 95) }
```

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

```
.border{ border-color:rgb(123, 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(123, 116, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 116, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 116, 95);  
box-shadow:4px 4px 4px 4px rgb(123, 116,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.633, 94.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 116, 95) }
```

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

```
.background{ background-color: rgb(123,  
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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