

Converting Colors

CIELCh(49, 12.653, 86.329)

Have a look what the booklet for
CIELCh(49, 12.653, 86.329) contains.

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Color

CIELCh(49, 12.653, 86.329)

Conversions

Conversions Part 1

Format	Color
Hex	7E735F
RGB	126, 115, 95
RGB Percent	49%, 45%, 37%
CMY	0.5050, 0.5482, 0.6266
CMYK	0.00, 0.09, 0.25, 0.51
HSL	39°, 14%, 43%
HSV	39°, 25%, 49%
XYZ	16.8681, 17.5941, 13.3838
YIQ	116.0090, 12.9760, -3.8880

Conversions

Conversions Part 2

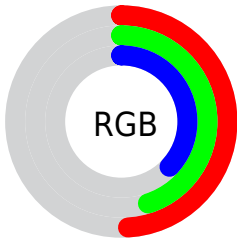
Format	Color
R_{YB}	112, 126, 95
Decimal	8287071
CIE _{Lab}	49.00, 0.81, 12.63
CIE _{LCh}	49, 12.653, 86.329
Yxy	17.5941, 0.3526, 0.3677
Android (android.graphics.Color)	4286477151 (0xFF7E735F)
YUV	116.0090, -10.3574, 8.7621
Hunter-Lab	41.9453, -1.6212, 10.4436

Details

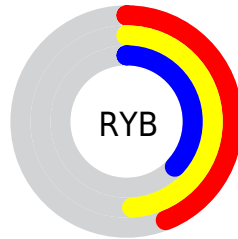
The CIELCh color $49, 12.653, 86.329$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 12.508, 272.867$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 12.451, 86.286$, and $29, 12.565, 84.896$ is the 20% darker color. If you saturate the color by 10%, you get $47, 18.000, 85.045$, and if you desaturate by 10%, it is $51, 7.416, 87.585$.

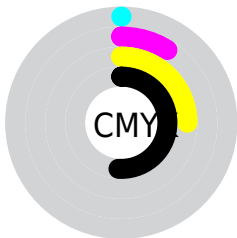
Distribution



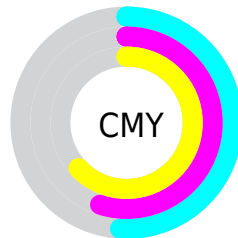
- Red (49%)
- Green (45%)
- Blue (37%)



- Red (44%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (51%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 12.653, 86.329 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, 12.653, 86.329 by changing the saturation by 10% instead.

■ 49, 12.653, 86.329

■ 49, 12.653, 86.329

■ 100, 12.653,
86.329

■ 39, 12.653, 86.329

■ 69, 12.653, 86.329

■ 29, 12.653, 86.329

■ 79, 12.653, 86.329

■ 19, 12.653, 86.329

■ 89, 12.653, 86.329

■ 9, 12.653, 86.329

■ 99, 12.653, 86.329

■ 0, 12.653, 86.329

■ 49, 12.653, 86.329

■ 49, 12.653, 86.329

■ 47, 18.000, 85.045

■ 51, 7.416, 87.585

■ 46, 23.428, 83.716

■ 52, 2.295, 88.749

45, 28.882, 82.344

54, 2.710, 270.073

43, 34.248, 80.915

55, 7.604, 271.159

42, 39.322, 79.389

57, 12.395,
272.233

40, 43.755, 77.684

59, 17.090,
273.262

39, 47.127, 75.684

39, 48.995, 74.679

60, 21.698,
274.243

62, 26.226,
275.177

64, 30.681,
276.062

Harmonies

Complementary

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



49, 12.653, 86.329



45, 12.508, 272.867

Rectangle

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



49, 12.653, 86.329



49, 12.653, 136.329



49, 12.653, 266.329



49, 12.653, 316.329

Sweetspot

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



49, 12.654, 86.337



66, 4.355, 88.466



44, 14.618, 353.888



34, 2.817, 88.418



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, 12.654, 86.337



61, 18.533, 85.682



52, 17.903, 113.597



26, 2.873, 88.241



39, 49.351, 74.647



0, 0.000, 0.000

Inverse Universe

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



45, 12.508, 272.867



55, 18.272, 273.764



42, 18.889, 297.538



25, 2.867, 270.556



22, 54.654, 294.124



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 12.653, 86.329 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, 12.653, 86.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

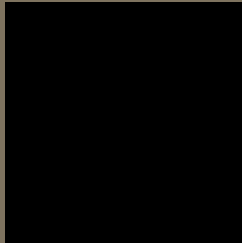
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 12.653, 86.329

Background



This preview shows how black text looks on a background with the CIELCh color 49, 12.653, 86.329.



This preview shows how white text looks on a background with the CIELCh color 49, 12.653, 86.329.

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, 12.653, 86.329

Protanopia

49, 12.067, 94.057

Deuteranopia

49, 13.875, 62.223



Tritanopia
49, 8.361, 346.337

Trichromacy



Original Color
49, 12.653, 86.329

Protanomaly
49, 12.186, 92.070

Deuteranomaly
49, 13.040, 69.206

Tritanomaly
49, 6.365, 30.613

Monochromacy



Original Color
49, 12.653, 86.329

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.958, 89.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 12.653, 86.329 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(126, 115, 95)` looks like.

```
.text, #text, p{  
    color:rgb(126, 115, 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(126, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 115, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 12.653, 86.329 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(126, 115, 95) }
```

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

```
.border{ border-color:rgb(126, 115, 95) }
```

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

Here you see how a box with a 4 pixel rgb(126, 115, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(126, 115,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 12.653, 86.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 115, 95) }
```

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

```
.background{ background-color: rgb(126,  
115, 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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