

Converting Colors

CIELCh(49, 16.008, 94.598)

Have a look what the booklet for
CIELCh(49, 16.008, 94.598) contains.

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Color

CIELCh(49, 16.242, 93.876)

Conversions

Conversions Part 1

Format	Color
Hex	7D7459
RGB	125, 116, 89
RGB Percent	49%, 45%, 35%
CMY	0.5095, 0.5448, 0.6507
CMYK	0.00, 0.07, 0.29, 0.51
HSL	45°, 17%, 42%
HSV	45°, 29%, 49%
XYZ	16.5268, 17.5941, 11.9905
YIQ	115.6130, 14.0310, -6.4890

Conversions

Conversions Part 2

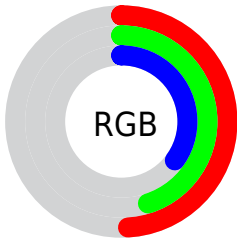
Format	Color
RYB	101, 125, 89
Decimal	8221785
CIELab	49.00, -1.10, 16.20
CIElCh	49, 16.242, 93.876
Yxy	17.5941, 0.3584, 0.3816
Android (android.graphics.Color)	4286411865 (0xFF7D7459)
YUV	115.6130, -13.1202, 8.2324
Hunter-Lab	41.9453, -3.0737, 12.4130

Details

The CIELCh color $49, 16.242, 93.876$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $42, 16.557, 281.203$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 16.344, 94.176$, and $29, 16.283, 94.655$ is the 20% darker color. If you saturate the color by 10%, you get $48, 21.957, 92.658$, and if you desaturate by 10%, it is $50, 10.547, 95.073$.

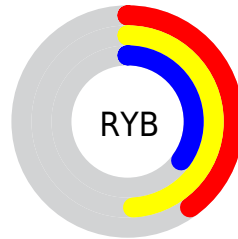
Distribution



Red (49%)

Green (45%)

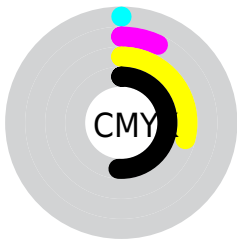
Blue (35%)



Red (40%)

Yellow (49%)

Blue (35%)

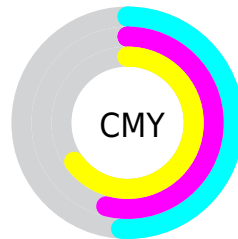


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (51%)



Cyan (51%)

Magenta (54%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 16.242, 93.876 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, 16.242, 93.876 by changing the saturation by 10% instead.

■ 49, 16.242, 93.876

■ 49, 16.242, 93.876

■ 100, 16.242,
93.876

■ 39, 16.242, 93.876

■ 69, 16.242, 93.876

■ 29, 16.242, 93.876

■ 79, 16.242, 93.876

■ 19, 16.242, 93.876

■ 89, 16.242, 93.876

■ 9, 16.242, 93.876

■ 99, 16.242, 93.876

■ 0, 16.242, 93.876

■ 49, 16.242, 93.876

■ 49, 16.242, 93.876

■ 48, 21.957, 92.658

■ 50, 10.547, 95.073

■ 47, 27.631, 91.405

■ 51, 4.901, 96.220

46, 33.162, 90.124

53, 0.680, 277.564

45, 38.373, 88.806

54, 6.190, 278.471

44, 42.978, 87.425

55, 11.628,
279.497

43, 46.570, 85.929

56, 16.994,
280.482

42, 49.235, 84.340

42, 49.590, 84.160

58, 22.292,
281.421

59, 27.525,
282.314

60, 32.695,
283.161

Harmonies

Complementary

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



49, 16.242, 93.876



42, 16.557, 281.203

Rectangle

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



49, 16.242, 93.876



49, 16.242, 143.876



49, 16.242, 273.876



49, 16.242, 323.876

Sweetspot

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



49, 16.243, 93.882



66, 6.243, 96.172



42, 16.298, 2.538



34, 4.320, 96.035



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, 16.243, 93.882



62, 24.613, 93.021



51, 21.055, 118.174



26, 3.195, 96.184



43, 50.274, 84.118



0, 0.000, 0.000

Inverse Universe

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



42, 16.557, 281.203



51, 25.250, 282.460



40, 22.316, 301.948



25, 3.218, 278.338



18, 63.992, 299.625



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 16.242, 93.876 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, 16.242, 93.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

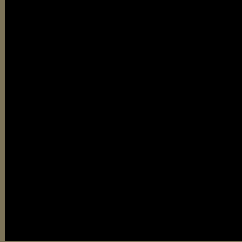
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.242, 93.876

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.242, 93.876.



This preview shows how white text looks on a background with the CIELCh color 49, 16.242, 93.876.

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, 16.242, 93.876

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 17.195, 67.945



Tritanopia
49, 8.691, 343.112

Trichromacy



Original Color
49, 16.242, 93.876

Protanomaly
49, 16.135, 95.407

Deuteranomaly
49, 16.231, 75.097

Tritanomaly
49, 6.720, 40.339

Monochromacy



Original Color
49, 16.242, 93.876

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, 16.242, 93.876 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(125, 116, 89)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 116, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.242, 93.876 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(125, 116, 89) }
```

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

```
.border{ border-color:rgb(125, 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(125, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(125, 116,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.242, 93.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 116, 89) }
```

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

```
.background{ background-color: rgb(125,  
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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