

Converting Colors

CIELCh(48, 11.855, 83.992)

Have a look what the booklet for
CIELCh(48, 11.855, 83.992) contains.

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Color

CIELCh(48, 12.149, 85.374)

Conversions

Conversions Part 1

Format	Color
Hex	7C715E
RGB	124, 113, 94
RGB Percent	49%, 44%, 37%
CMY	0.5151, 0.5582, 0.6327
CMYK	0.00, 0.09, 0.24, 0.52
HSL	38°, 14%, 43%
HSV	38°, 24%, 48%
XYZ	16.1333, 16.7945, 12.9025
YIQ	114.1230, 12.6550, -3.5770

Conversions

Conversions Part 2

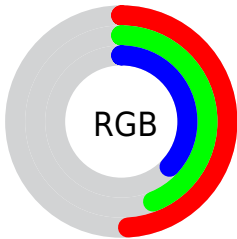
Format	Color
RYB	111, 124, 94
Decimal	8155486
CIELab	48.00, 0.98, 12.11
CIElCh	48, 12.149, 85.374
Yxy	16.7945, 0.3520, 0.3664
Android (android.graphics.Color)	4286345566 (0xFF7C715E)
YUV	114.1230, -9.9206, 8.6621
Hunter-Lab	40.9810, -1.4453, 10.0198

Details

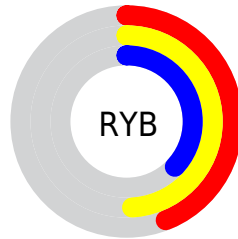
The CIELCh color $48, 12.149, 85.374$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 11.970, 271.831$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.480, 86.261$, and $28, 12.038, 83.818$ is the 20% darker color. If you saturate the color by 10%, you get $46, 17.364, 84.091$, and if you desaturate by 10%, it is $50, 7.050, 86.630$.

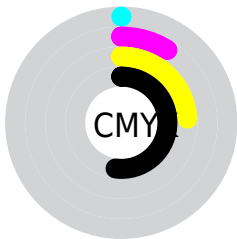
Distribution



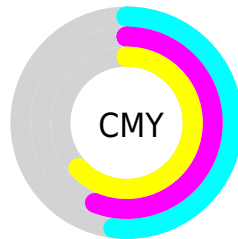
- Red (49%)
- Green (44%)
- Blue (37%)



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



- Cyan (0%)
- Magenta (9%)
- Yellow (24%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.149, 85.374 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 48, 12.149, 85.374 by changing the saturation by 10% instead.

■ 48, 12.149, 85.374

■ 48, 12.149, 85.374

■ 100, 12.149,
85.374

■ 38, 12.149, 85.374

■ 68, 12.149, 85.374

■ 28, 12.149, 85.374

■ 78, 12.149, 85.374

■ 18, 12.149, 85.374

■ 88, 12.149, 85.374

■ 8, 12.149, 85.374

■ 98, 12.149, 85.374

■ 0, 12.149, 85.374

■ 48, 12.149, 85.374

■ 48, 12.149, 85.374

■ 46, 17.364, 84.091

■ 50, 7.050, 86.630

■ 45, 22.672, 82.763

■ 51, 2.072, 87.786

43, 28.021, 81.393

53, 2.787, 269.120

42, 33.309, 79.966

54, 7.533, 270.210

41, 38.341, 78.443

56, 12.174,
271.284

39, 42.789, 76.739

58, 16.719,
272.316

38, 46.234, 74.734

37, 48.269, 73.679

60, 21.175,
273.300

61, 25.552,
274.236

63, 29.856,
275.124

Harmonies

Complementary

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



48, 12.149, 85.374



44, 11.970, 271.831

Rectangle

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



48, 12.149, 85.374



48, 12.149, 135.374



48, 12.149, 265.374



48, 12.149, 315.374

Sweetspot

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



48, 12.150, 85.382



65, 4.251, 87.471



43, 14.177, 353.845



34, 2.785, 87.421



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 12.150, 85.382



60, 18.121, 84.683



51, 17.374, 113.624



25, 2.745, 87.252



38, 48.635, 73.643



73, 81.934, 71.854

Inverse Universe

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



44, 11.970, 271.831



54, 17.787, 272.789



41, 18.315, 297.500



24, 2.737, 269.563



22, 52.700, 293.295



45, 93.831, 295.387

Previews

White Background



This preview shows how the CIELCh color 48, 12.149, 85.374 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 48, 12.149, 85.374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

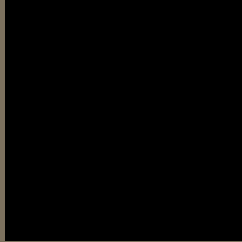
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.149, 85.374

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.149, 85.374.



This preview shows how white text looks on a background with the CIELCh color 48, 12.149, 85.374.

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

48, 12.149, 85.374

Protanopia

48, 12.001, 96.039

Deuteranopia

48, 13.597, 63.440



Tritanopia
48, 9.059, 344.780

Trichromacy



Original Color
48, 12.149, 85.374

Protanomaly
48, 12.105, 94.018

Deuteranomaly
48, 12.800, 70.672

Tritanomaly
48, 6.722, 25.135

Monochromacy



Original Color
48, 12.149, 85.374

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 4.422, 87.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.149, 85.374 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, 113, 94)` looks like.

```
.text, #text, p{  
    color:rgb(124, 113, 94)  
}
```

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, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 113, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.149, 85.374 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, 113, 94) }
```

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

```
.border{ border-color:rgb(124, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(124, 113,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.149, 85.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 113, 94) }
```

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

```
.background{ background-color: rgb(124,  
113, 94) }
```

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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