

Converting Colors

CIELCh(48, 34.772, 98.179)

Have a look what the booklet for
CIELCh(48, 34.772, 98.179) contains.

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Color

CIELCh(48, 34.913, 98.416)

Conversions

Conversions Part 1

Format	Color
Hex	7C7336
RGB	124, 115, 54
RGB Percent	49%, 45%, 21%
CMY	0.5140, 0.5492, 0.7884
CMYK	0.00, 0.07, 0.56, 0.51
HSL	52°, 39%, 35%
HSV	52°, 56%, 49%
XYZ	15.0919, 16.7945, 5.9294
YIQ	110.7370, 24.9450, -17.0630

Conversions

Conversions Part 2

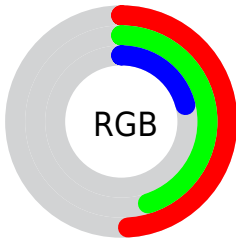
Format	Color
RYB	64, 124, 54
Decimal	8155958
CIELab	48.00, -5.11, 34.54
CIELCh	48, 34.913, 98.416
Yxy	16.7945, 0.3991, 0.4441
Android (android.graphics.Color)	4286346038 (0xFF7C7336)
YUV	110.7370, -27.9713, 11.6317
Hunter-Lab	40.9810, -5.9814, 20.1083

Details

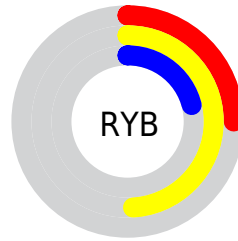
The CIELCh color **48, 34.913, 98.416** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 39.148, 293.285**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 34.886, 98.759**, and **28, 34.669, 98.029** is the 20% darker color. If you saturate the color by 10%, you get **47, 40.365, 97.379**, and if you desaturate by 10%, it is **49, 29.036, 99.481**.

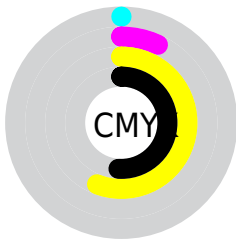
Distribution



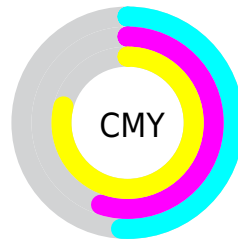
- Red (49%)
- Green (45%)
- Blue (21%)



- Red (25%)
- Yellow (49%)
- Blue (21%)



- Cyan (0%)
- Magenta (7%)
- Yellow (56%)
- Black (51%)





















- Cyan (51%)
- Magenta (55%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 34.913, 98.416 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, 34.913, 98.416 by changing the saturation by 10% instead.

 48, 34.913, 98.416	 48, 34.913, 98.416
 100, 34.913, 98.416	 38, 34.913, 98.416
 68, 34.913, 98.416	 28, 34.913, 98.416
 78, 34.913, 98.416	 18, 34.913, 98.416
 88, 34.913, 98.416	 8, 34.913, 98.416
 98, 34.913, 98.416	 0, 34.913, 98.416

 48, 34.913, 98.416	 48, 34.913, 98.416
 47, 40.365, 97.379	 49, 29.036, 99.481
 47, 45.114, 96.373	 49, 22.916, 100.553

■ 46, 48.803, 95.402

■ 50, 16.672,
101.623

■ 46, 51.277, 94.462

■ 51, 10.375,
102.679

■ 46, 52.143, 94.141

■ 51, 4.068, 103.704

■ 52, 2.222, 284.773

■ 53, 8.479, 285.720

■ 54, 14.696,
286.654

■ 55, 20.865,
287.550

Harmonies

Complementary

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



48, 34.913, 98.416



29, 39.148, 293.285

Rectangle

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



48, 34.913, 98.416



48, 34.913, 148.416



48, 34.913, 278.416



48, 34.913, 328.416

Sweetspot

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



48, 34.914, 98.419



64, 13.239, 102.582



32, 32.673, 16.258



34, 8.925, 102.414



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, 34.914, 98.419



60, 50.664, 97.059



49, 40.738, 121.562



25, 3.506, 103.445



46, 52.445, 94.133



88, 87.931, 93.608

Inverse Universe

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



29, 39.148, 293.285



32, 59.644, 296.464



29, 45.439, 307.877



24, 3.559, 285.370



15, 71.997, 303.704



34, 125.617, 304.737

Previews

White Background



This preview shows how the CIELCh color 48, 34.913, 98.416 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, 34.913, 98.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

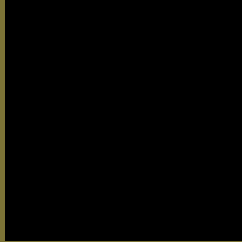
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 34.913, 98.416

Background



This preview shows how black text looks on a background with the CIELCh color 48, 34.913, 98.416.



This preview shows how white text looks on a background with the CIELCh color 48, 34.913, 98.416.

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, 34.913, 98.416

Protanopia

48, 34.663, 96.009

Deuteranopia

48, 34.372, 80.256



Tritanopia
48, 10.454, 350.359

Trichromacy



Original Color
48, 34.913, 98.416

Protanomaly
48, 34.578, 96.786

Deuteranomaly
48, 34.167, 86.915

Tritanomaly
48, 12.522, 72.251

Monochromacy



Original Color
48, 34.913, 98.416

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 13.038, 100.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 34.913, 98.416 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, 115, 54)` looks like.

```
.text, #text, p{  
    color:rgb(124, 115, 54)  
}
```

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, 115, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 115, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 34.913, 98.416 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, 115, 54) }
```

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

```
.border{ border-color:rgb(124, 115, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 115, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 115, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 115, 54);  
box-shadow:4px 4px 4px 4px rgb(124, 115,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 34.913, 98.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 115, 54) }
```

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

```
.background{ background-color: rgb(124,  
115, 54) }
```

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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