

Converting Colors

CIELCh(48, 33.540, 105.750)

Have a look what the booklet for
CIELCh(48, 33.540, 105.750)
contains.

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Color

CIELCh(48, 33.509, 105.617)

Conversions

Conversions Part 1

Format	Color
Hex	75753A
RGB	117, 117, 58
RGB Percent	46%, 46%, 23%
CMY	0.5414, 0.5414, 0.7727
CMYK	0.00, 0.00, 0.50, 0.54
HSL	60°, 34%, 34%
HSV	60°, 50%, 46%
XYZ	14.4473, 16.7945, 6.4770
YIQ	110.2740, 18.9390, -18.3490

Conversions

Conversions Part 2

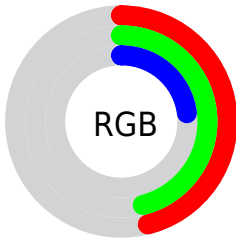
Format	Color
RYB	58, 117, 58
Decimal	7697722
CIELab	48.00, -9.02, 32.27
CIELCh	48, 33.509, 105.617
Yxy	16.7945, 0.3830, 0.4453
Android (android.graphics.Color)	4285887802 (0xFF75753A)
YUV	110.2740, -25.7711, 5.8987
Hunter-Lab	40.9810, -8.7890, 19.3161

Details

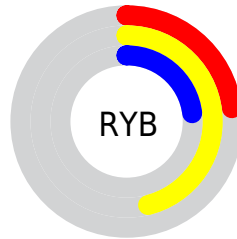
The CIELCh color $48, 33.509, 105.617$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $27, 38.223, 297.083$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 33.438, 105.973$, and $28, 33.449, 105.464$ is the 20% darker color. If you saturate the color by 10%, you get $48, 39.400, 104.824$, and if you desaturate by 10%, it is $48, 27.209, 106.481$.

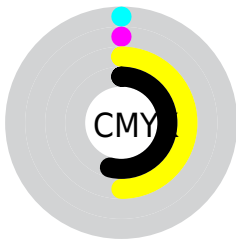
Distribution



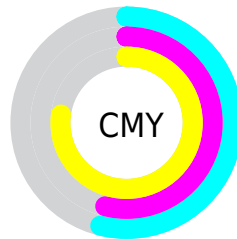
- Red (46%)
- Green (46%)
- Blue (23%)



- Red (23%)
- Yellow (46%)
- Blue (23%)



- Cyan (0%)
- Magenta (0%)
- Yellow (50%)
- Black (54%)




- Cyan (54%)
- Magenta (54%)
- Yellow (77%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 33.509, 105.617 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, 33.509, 105.617 by changing the saturation by 10% instead.


 48, 33.509,
105.617


 48, 33.509,
105.617


 100, 33.509,
105.617


 38, 33.509,
105.617

 68, 33.509,
105.617


 28, 33.509,
105.617

 78, 33.509,
105.617

 18, 33.509,
105.617

 88, 33.509,
105.617

 8, 33.509, 105.617

 98, 33.509,
105.617

 0, 33.509, 105.617

 48, 33.509,

 48, 33.509,

105.617

105.617

■ 48, 39.400,
104.824

■ 48, 27.209,
106.481

■ 48, 44.661,
104.124

■ 48, 20.651,
107.382

■ 48, 49.014,
103.555

■ 49, 13.939,
108.301

■ 48, 52.169,
103.150

■ 49, 7.140, 109.221

■ 48, 54.488,
102.857

■ 49, 0.299, 109.996

■ 50, 6.555, 291.043

■ 50, 13.401,
291.907

■ 50, 20.226,
292.742

■ 51, 27.018,

Harmonies

Complementary

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



48, 33.509, 105.617



27, 38.223, 297.083

Rectangle

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



48, 33.509, 105.617



48, 33.509, 155.617



48, 33.509, 285.617



48, 33.509, 335.617

Sweetspot

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



48, 33.510, 105.620



63, 12.764, 108.767



32, 28.392, 24.737



32, 8.652, 108.616



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 33.510, 105.620



62, 49.296, 104.665



46, 36.212, 126.840



25, 3.857, 109.350



50, 56.293, 102.857



95, 95.438, 102.857

Inverse Universe

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



27, 38.223, 297.083



31, 58.873, 299.525



30, 38.869, 311.504



22, 3.936, 291.067



12, 77.729, 306.288



32, 131.782, 306.287

Previews

White Background



This preview shows how the CIELCh color 48, 33.509, 105.617 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, 33.509, 105.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

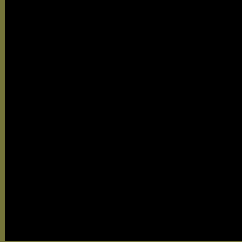
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 33.509, 105.617

Background



This preview shows how black text looks on a background with the CIELCh color 48, 33.509, 105.617.



This preview shows how white text looks on a background with the CIELCh color 48, 33.509, 105.617.

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, 33.509, 105.617

Protanopia

48, 33.108, 95.822

Deuteranopia

48, 32.374, 79.039



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 33.509, 105.617

Protanomaly
48, 33.293, 99.141

Deuteranomaly
48, 32.085, 88.746

Tritanomaly
48, 10.006, 88.721

Monochromacy



Original Color
48, 33.509, 105.617

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 12.908, 108.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 33.509, 105.617 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(117, 117, 58)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 58)  
}
```

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(117, 117, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 33.509, 105.617 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(117, 117, 58) }
```

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

```
.border{ border-color:rgb(117, 117, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 58);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 33.509, 105.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 58) }
```

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

```
.background{ background-color: rgb(117,  
117, 58) }
```

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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