

Converting Colors

CIELCh(50, 28.829, 110.909)

Have a look what the booklet for
CIELCh(50, 28.829, 110.909)
contains.

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Color

CIELCh(50, 29.129, 110.804)

Conversions

Conversions Part 1

Format	Color
Hex	767B48
RGB	118, 123, 72
RGB Percent	46%, 48%, 28%
CMY	0.5381, 0.5184, 0.7184
CMYK	0.04, 0.00, 0.42, 0.52
HSL	66°, 26%, 38%
HSV	66°, 42%, 48%
XYZ	15.6650, 18.4187, 8.8282
YIQ	115.6910, 13.3910, -16.9210

Conversions

Conversions Part 2

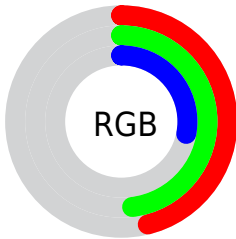
Format	Color
RYB	72, 123, 77
Decimal	7764808
CIELab	50.00, -10.35, 27.23
CIElCh	50, 29.129, 110.804
Yxy	18.4187, 0.3651, 0.4292
Android (android.graphics.Color)	4285954888 (0xFF767B48)
YUV	115.6910, -21.5397, 2.0250
Hunter-Lab	42.9170, -9.9508, 17.8457

Details

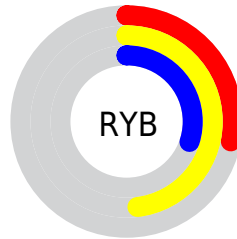
The CIELCh color **50, 29.129, 110.804** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 32.205, 298.410**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 29.128, 110.494**, and **30, 29.091, 110.778** is the 20% darker color. If you saturate the color by 10%, you get **50, 35.666, 110.093**, and if you desaturate by 10%, it is **50, 22.309, 111.569**.

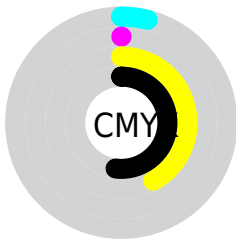
Distribution



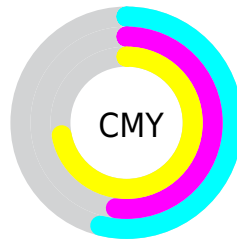
- Red (46%)
- Green (48%)
- Blue (28%)



- Red (28%)
- Yellow (48%)
- Blue (30%)



- Cyan (4%)
- Magenta (0%)
- Yellow (42%)
- Black (52%)





- Cyan (54%)
- Magenta (52%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.129, 110.804 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 50, 29.129, 110.804 by changing the saturation by 10% instead.


 50, 29.129,
110.804


 50, 29.129,
110.804


 100, 29.129,
110.804


 40, 29.129,
110.804


 70, 29.129,
110.804

 30, 29.129,
110.804

 80, 29.129,
110.804


 20, 29.129,
110.804

 90, 29.129,
110.804

 10, 29.129,
110.804

 0, 29.129, 110.804

 50, 29.129,
110.804

 50, 29.129,
110.804

■ 50, 35.666,
110.093

■ 50, 22.309,
111.569

■ 49, 41.752,
109.464

■ 51, 15.315,
112.354

■ 49, 47.151,
108.967

■ 51, 8.223, 113.140

■ 49, 51.568,
108.660

■ 51, 1.082, 113.902

■ 52, 6.074, 294.679

■ 49, 54.705,
108.600

■ 52, 13.221,
295.407

■ 49, 56.790,
108.651

■ 53, 20.342,
296.103

■ 54, 27.423,
296.765

■ 54, 34.456,
297.391

Harmonies

Complementary

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



50, 29.129, 110.804



33, 32.205, 298.410

Rectangle

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



50, 29.129, 110.804



50, 29.129, 160.804



50, 29.129, 290.804



50, 29.129, 340.804

Sweetspot

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



50, 29.130, 110.807



65, 10.668, 113.080



38, 22.083, 29.335



34, 7.130, 113.000



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 29.130, 110.807



64, 43.142, 110.112



48, 32.004, 130.081



26, 4.010, 113.332



50, 57.503, 108.661



94, 96.863, 108.966

Inverse Universe

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



33, 32.205, 298.410



39, 49.200, 299.826



36, 33.491, 313.726



23, 4.092, 294.782



13, 78.299, 306.755



32, 132.261, 306.537

Previews

White Background



This preview shows how the CIELCh color 50, 29.129, 110.804 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 29.129, 110.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

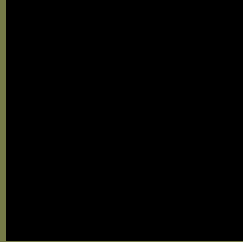
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.129, 110.804

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.129, 110.804.



This preview shows how white text looks on a background with the CIELCh color 50, 29.129, 110.804.

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


50, 29.129, 110.804

Protanopia

50, 28.571, 96.203

Deuteranopia

50, 27.344, 76.455



Tritanopia
50, 6.696, 319.124

Trichromacy



Original Color
50, 29.129, 110.804

Protanomaly
50, 28.188, 100.849

Deuteranomaly
50, 26.650, 89.667

Tritanomaly
50, 7.189, 95.731

Monochromacy



Original Color
50, 29.129, 110.804

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 11.115, 113.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.129, 110.804 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(118, 123, 72)` looks like.

```
.text, #text, p{  
    color:rgb(118, 123, 72)  
}
```

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(118, 123, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 123, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.129, 110.804 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(118, 123, 72) }
```

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

```
.border{ border-color:rgb(118, 123, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 123, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 123, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 123, 72);  
box-shadow:4px 4px 4px 4px rgb(118, 123,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.129, 110.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 123, 72) }
```

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

```
.background{ background-color: rgb(118,  
123, 72) }
```

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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