

Converting Colors

CIELCh(50, 29.951, 107.820)

Have a look what the booklet for
CIELCh(50, 29.951, 107.820)
contains.

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Color

CIELCh(50, 29.625, 108.025)

Conversions

Conversions Part 1

Format	Color
Hex	787A46
RGB	120, 122, 70
RGB Percent	47%, 48%, 27%
CMY	0.5286, 0.5208, 0.7248
CMYK	0.02, 0.00, 0.43, 0.52
HSL	62°, 27%, 38%
HSV	62°, 43%, 48%
XYZ	15.8680, 18.4187, 8.5433
YIQ	115.4740, 15.5000, -16.5960

Conversions

Conversions Part 2

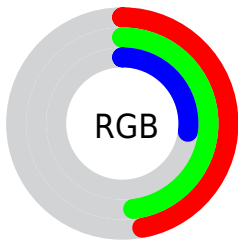
Format	Color
RYB	70, 122, 72
Decimal	7895622
CIELab	50.00, -9.17, 28.17
CIELCh	50, 29.625, 108.025
Yxy	18.4187, 0.3705, 0.4300
Android (android.graphics.Color)	4286085702 (0xFF787A46)
YUV	115.4740, -22.4187, 3.9693
Hunter-Lab	42.9170, -9.1066, 18.2392

Details

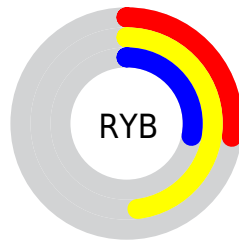
The CIELCh color **50, 29.625, 108.025** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **32, 32.923, 296.791**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 29.630, 107.972**, and **30, 30.011, 108.489** is the 20% darker color. If you saturate the color by 10%, you get **50, 36.077, 107.234**, and if you desaturate by 10%, it is **50, 22.876, 108.870**.

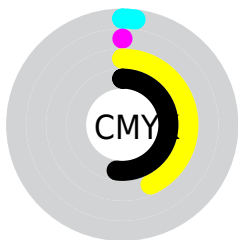
Distribution



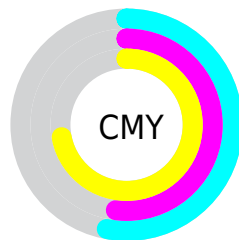
- Red (47%)
- Green (48%)
- Blue (27%)



- Red (27%)
- Yellow (48%)
- Blue (28%)



- Cyan (2%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)





- Cyan (53%)
- Magenta (52%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.625, 108.025 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, 29.625, 108.025 by changing the saturation by 10% instead.


 50, 29.625,
108.025


 50, 29.625,
108.025


 100, 29.625,
108.025


 40, 29.625,
108.025


 70, 29.625,
108.025

 30, 29.625,
108.025


 80, 29.625,
108.025


 20, 29.625,
108.025

 90, 29.625,
108.025

 10, 29.625,
108.025

 0, 29.625, 108.025

 50, 29.625,
108.025

 50, 29.625,
108.025

■ 50, 36.077,
107.234

■ 50, 22.876,
108.870

■ 50, 42.054,
106.519

■ 51, 15.944,
109.735

■ 49, 47.314,
105.923

■ 51, 8.907, 110.605

■ 49, 51.555,
105.489

■ 51, 1.817, 111.453

■ 52, 5.293, 292.324

■ 49, 54.494,
105.259

■ 52, 12.398,
293.139

■ 49, 56.290,
105.145

■ 53, 19.482,
293.925

■ 53, 26.533,
294.676

■ 54, 33.540,
295.391

Harmonies

Complementary

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



50, 29.625, 108.025



32, 32.923, 296.791

Rectangle

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



50, 29.625, 108.025



50, 29.625, 158.025



50, 29.625, 288.025



50, 29.625, 338.025

Sweetspot

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



50, 29.626, 108.028



65, 11.375, 110.540



36, 23.588, 25.718



33, 7.913, 110.381



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 29.626, 108.028



63, 43.241, 107.260



48, 32.200, 128.335



26, 4.000, 110.907



50, 57.198, 105.151



96, 96.295, 105.273

Inverse Universe

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



32, 32.923, 296.791



37, 49.632, 298.428



35, 33.985, 312.176



23, 4.083, 292.525



13, 78.657, 306.468



32, 132.633, 306.364

Previews

White Background



This preview shows how the CIELCh color 50, 29.625, 108.025 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 50, 29.625, 108.025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

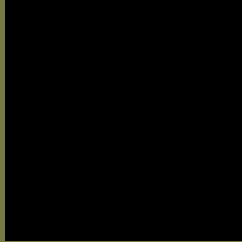
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.625, 108.025

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.625, 108.025.



This preview shows how white text looks on a background with the CIELCh color 50, 29.625, 108.025.

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

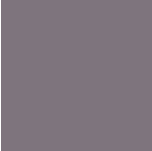
50, 29.625, 108.025

Protanopia

50, 29.112, 96.303

Deuteranopia

50, 28.153, 76.078



Tritanopia
50, 6.639, 327.680

Trichromacy



Original Color
50, 29.625, 108.025

Protanomaly
50, 29.277, 100.891

Deuteranomaly
50, 27.536, 88.021

Tritanomaly
50, 7.984, 90.663

Monochromacy



Original Color
50, 29.625, 108.025

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 11.074, 108.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.625, 108.025 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(120, 122, 70)` looks like.

```
.text, #text, p{  
    color:rgb(120, 122, 70)  
}
```

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(120, 122, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 122, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.625, 108.025 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(120, 122, 70) }
```

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

```
.border{ border-color:rgb(120, 122, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 122, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 122, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 122, 70);  
box-shadow:4px 4px 4px 4px rgb(120, 122,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.625, 108.025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 122, 70) }
```

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

```
.background{ background-color: rgb(120,  
122, 70) }
```

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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