

Converting Colors

CIELCh(48, 29.384, 113.770)

Have a look what the booklet for
CIELCh(48, 29.384, 113.770)
contains.

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Color

CIELCh(48, 28.903, 113.504)

Conversions

Conversions Part 1

Format	Color
Hex	6E7644
RGB	110, 118, 68
RGB Percent	43%, 46%, 27%
CMY	0.5673, 0.5359, 0.7321
CMYK	0.07, 0.00, 0.42, 0.54
HSL	70°, 27%, 37%
HSV	70°, 42%, 46%
XYZ	14.0441, 16.7945, 8.0209
YIQ	109.9080, 11.2820, -17.2460

Conversions

Conversions Part 2

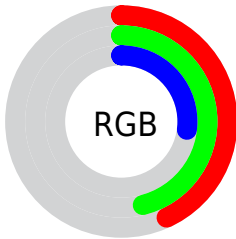
Format	Color
RYB	68, 118, 76
Decimal	7239236
CIELab	48.00, -11.53, 26.50
CIELCh	48, 28.903, 113.504
Yxy	16.7945, 0.3614, 0.4322
Android (android.graphics.Color)	4285429316 (0xFF6E7644)
YUV	109.9080, -20.6606, 0.0807
Hunter-Lab	40.9810, -10.5454, 17.0824

Details

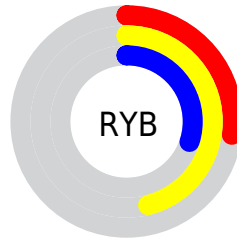
The CIELCh color $48, 28.903, 113.504$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 31.893, 300.360$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 28.897, 113.805$, and $28, 28.873, 113.799$ is the 20% darker color. If you saturate the color by 10%, you get $48, 35.269, 112.882$, and if you desaturate by 10%, it is $48, 22.259, 114.185$.

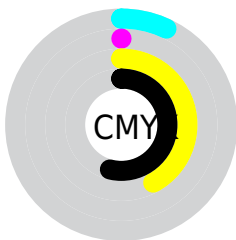
Distribution



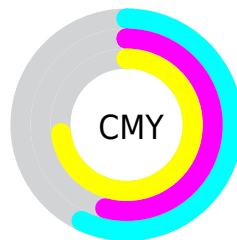
- Red (43%)
- Green (46%)
- Blue (27%)



- Red (27%)
- Yellow (46%)
- Blue (30%)



- Cyan (7%)
- Magenta (0%)
- Yellow (42%)
- Black (54%)



- Cyan (57%)
- Magenta (54%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.903, 113.504 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, 28.903, 113.504 by changing the saturation by 10% instead.

 48, 28.903,
113.504


 48, 28.903,
113.504


 100, 28.903,
113.504

 38, 28.903,
113.504

 68, 28.903,
113.504

 28, 28.903,
113.504

 78, 28.903,
113.504

 18, 28.903,
113.504

 88, 28.903,
113.504

 8, 28.903, 113.504

 98, 28.903,
113.504

 0, 28.903, 113.504

 48, 28.903,

 48, 28.903,

113.504

113.504

■ 48, 35.269,
112.882

■ 48, 22.259,
114.185

■ 47, 41.194,
112.351

■ 49, 15.445,
114.887

■ 47, 46.452,
111.972

■ 49, 8.534, 115.593

■ 47, 50.757,
111.812

■ 50, 1.576, 116.287

■ 50, 5.394, 296.963

■ 47, 53.830,
111.942

■ 51, 12.352,
297.610

■ 47, 55.832,
112.113

■ 51, 19.281,
298.225

■ 52, 26.167,
298.808

■ 53, 33.000,

Harmonies

Complementary

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



48, 28.903, 113.504



32, 31.893, 300.360

Rectangle

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



48, 28.903, 113.504



48, 28.903, 163.504



48, 28.903, 293.504



48, 28.903, 343.504

Sweetspot

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



48, 28.904, 113.506



62, 11.155, 115.519



37, 20.782, 34.916



32, 7.757, 115.392



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, 28.904, 113.506



61, 42.470, 112.882



46, 32.212, 132.203



24, 3.887, 115.820



48, 57.204, 112.144



93, 97.146, 112.632

Inverse Universe

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



32, 31.893, 300.360



37, 48.307, 301.613



34, 33.414, 315.872



22, 3.964, 297.100



13, 76.663, 307.168



33, 130.599, 306.851

Previews

White Background



This preview shows how the CIELCh color 48, 28.903, 113.504 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, 28.903, 113.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

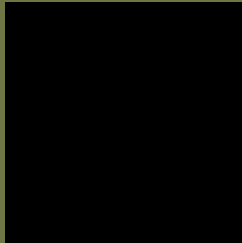
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.903, 113.504

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.903, 113.504.



This preview shows how white text looks on a background with the CIELCh color 48, 28.903, 113.504.

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, 28.903, 113.504

Protanopia

48, 27.661, 95.793

Deuteranopia

48, 26.309, 76.087



Tritanopia
48, 5.700, 311.270

Trichromacy



Original Color
48, 28.903, 113.504

Protanomaly
48, 28.240, 102.583

Deuteranomaly
48, 25.607, 89.933

Tritanomaly
48, 7.054, 105.790

Monochromacy



Original Color
48, 28.903, 113.504

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 10.665, 115.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.903, 113.504 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(110, 118, 68)` looks like.

```
.text, #text, p{  
    color:rgb(110, 118, 68)  
}
```

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(110, 118, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 118, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.903, 113.504 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(110, 118, 68) }
```

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

```
.border{ border-color:rgb(110, 118, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 118, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 118, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 118, 68);  
box-shadow:4px 4px 4px 4px rgb(110, 118,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.903, 113.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 118, 68) }
```

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

```
.background{ background-color: rgb(110,  
118, 68) }
```

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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