

Converting Colors

CIELCh(48, 28.646, 148.410)

Have a look what the booklet for
CIELCh(48, 28.646, 148.410)
contains.

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Color

CIELCh(48, 28.404, 148.784)

Conversions

Conversions Part 1

Format	Color
Hex	4D7C58
RGB	77, 124, 88
RGB Percent	30%, 49%, 35%
CMY	0.6968, 0.5125, 0.6537
CMYK	0.38, 0.00, 0.29, 0.51
HSL	134°, 23%, 40%
HSV	134°, 38%, 49%
XYZ	12.1062, 16.7945, 11.9007
YIQ	105.8430, -16.4560, -21.1600

Conversions

Conversions Part 2

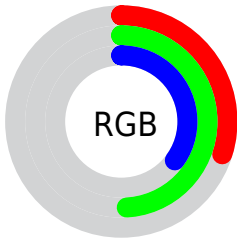
Format	Color
RYB	77, 115, 124
Decimal	5078104
CIELab	48.00, -24.29, 14.72
CIElCh	48, 28.404, 148.784
Yxy	16.7945, 0.2967, 0.4116
Android (android.graphics.Color)	4283268184 (0xFF4D7C58)
YUV	105.8430, -8.7966, -25.2953
Hunter-Lab	40.9810, -18.9863, 11.4693

Details

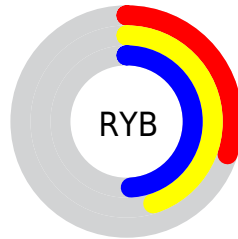
The CIELCh color **48, 28.404, 148.784** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **39, 28.569, 334.195**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.477, 148.633**, and **28, 28.783, 148.611** is the 20% darker color. If you saturate the color by 10%, you get **47, 35.599, 147.700**, and if you desaturate by 10%, it is **49, 20.972, 149.728**.

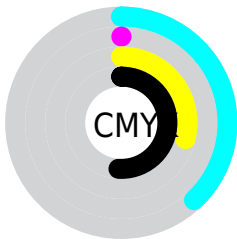
Distribution



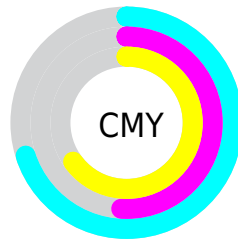
- Red (30%)
- Green (49%)
- Blue (35%)



- Red (30%)
- Yellow (45%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (29%)
- Black (51%)



- Cyan (70%)
- Magenta (51%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.404, 148.784 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, 28.404, 148.784 by changing the saturation by 10% instead.

 48, 28.404,
148.784


 48, 28.404,
148.784

 100, 28.404,
148.784

 38, 28.404,
148.784

 68, 28.404,
148.784

 28, 28.404,
148.784

 78, 28.404,
148.784

 18, 28.404,
148.784

 88, 28.404,
148.784

 8, 28.404, 148.784

 98, 28.404,
148.784

 0, 28.404, 148.784

 48, 28.404,

 48, 28.404,

148.784

148.784

■ 47, 35.599,
147.700

■ 49, 20.972,
149.728

■ 47, 42.415,
146.464

■ 50, 13.424,
150.552

■ 46, 48.706,
145.070

■ 51, 5.862, 151.285

■ 46, 54.332,
143.531

■ 52, 1.633, 331.730

■ 54, 9.000, 332.387

■ 45, 59.167,
141.882

■ 55, 16.197,
332.878

■ 45, 63.193,
140.276

■ 57, 23.199,
333.308

■ 45, 63.999,
139.981

■ 59, 29.988,
333.690

■ 60, 36.559,

Harmonies

Complementary

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



48, 28.404, 148.784



39, 28.569, 334.195

Rectangle

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



48, 28.404, 148.784



48, 28.404, 198.784



48, 28.404, 328.784



48, 28.404, 18.784

Sweetspot

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



48, 28.405, 148.784



64, 10.195, 151.040



50, 27.288, 116.936



34, 6.908, 150.961



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, 28.405, 148.784



60, 41.401, 147.902



49, 19.195, 174.683



25, 4.173, 151.197



45, 64.248, 139.971



87, 110.690, 138.984

Inverse Universe

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



39, 28.569, 334.195



48, 41.552, 334.791



39, 21.696, 2.607



24, 4.189, 332.260



27, 57.234, 339.794



57, 95.510, 340.583

Previews

White Background



This preview shows how the CIELCh color 48, 28.404, 148.784 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 CIE LCh color 48, 28.404, 148.784 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, 28.404, 148.784

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.404, 148.784.



This preview shows how white text looks on a background with the CIELCh color 48, 28.404, 148.784.

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, 28.404, 148.784

Protanopia

48, 18.014, 94.821

Deuteranopia

48, 14.389, 63.724



Tritanopia
48, 13.008, 225.445

Trichromacy



Original Color
48, 28.404, 148.784

Protanomaly
48, 19.257, 122.022

Deuteranomaly
48, 14.102, 113.539

Tritanomaly
48, 15.006, 181.729

Monochromacy



Original Color
48, 28.404, 148.784

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 10.459, 150.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.404, 148.784 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(77, 124, 88)` looks like.

```
.text, #text, p{  
    color:rgb(77, 124, 88)  
}
```

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(77, 124, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 124, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.404, 148.784 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(77, 124, 88) }
```

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

```
.border{ border-color:rgb(77, 124, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 124, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 124, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 124, 88);  
box-shadow:4px 4px 4px 4px rgb(77, 124,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.404, 148.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 124, 88) }
```

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

```
.background{ background-color: rgb(77, 124,  
88) }
```

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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