

Converting Colors

CIELCh(48, 27.889, 148.919)

Have a look what the booklet for
CIELCh(48, 27.889, 148.919)
contains.

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Color

CIELCh(48, 27.707, 149.044)

Conversions

Conversions Part 1

Format	Color
Hex	4E7C59
RGB	78, 124, 89
RGB Percent	31%, 49%, 35%
CMY	0.6936, 0.5132, 0.6505
CMYK	0.37, 0.00, 0.28, 0.51
HSL	134°, 23%, 40%
HSV	134°, 37%, 49%
XYZ	12.1830, 16.7945, 12.0766
YIQ	106.2560, -16.1810, -20.6370

Conversions

Conversions Part 2

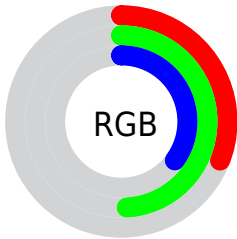
Format	Color
R_{YB}	78, 115, 124
Decimal	5143641
CIE _{Lab}	48.00, -23.76, 14.25
CIE _{LCh}	48, 27.707, 149.044
Yxy	16.7945, 0.2968, 0.4091
Android (android.graphics.Color)	4283333721 (0xFF4E7C59)
YUV	106.2560, -8.5072, -24.7805
Hunter-Lab	40.9810, -18.6516, 11.2147

Details

The CIELCh color $48, 27.707, 149.044$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $40, 27.880, 334.350$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 27.811, 148.829$, and $28, 27.877, 148.616$ is the 20% darker color. If you saturate the color by 10%, you get $47, 34.887, 147.969$, and if you desaturate by 10%, it is $49, 20.302, 149.981$.

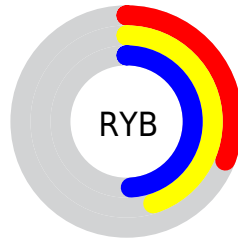
Distribution



Red (31%)

Green (49%)

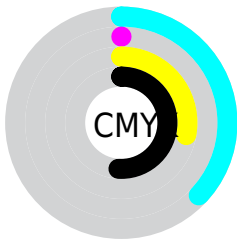
Blue (35%)



Red (31%)

Yellow (45%)

Blue (49%)

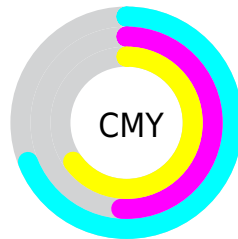


Cyan (37%)

Magenta (0%)

Yellow (28%)

Black (51%)



Cyan (69%)

Magenta (51%)

Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.707, 149.044 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, 27.707, 149.044 by changing the saturation by 10% instead.

 48, 27.707,
149.044


 48, 27.707,
149.044

 100, 27.707,
149.044

 38, 27.707,
149.044

 68, 27.707,
149.044


 28, 27.707,
149.044

 78, 27.707,
149.044

 18, 27.707,
149.044

 88, 27.707,
149.044

 8, 27.707, 149.044

 98, 27.707,
149.044

 0, 27.707, 149.044

 48, 27.707,

 48, 27.707,

149.044

149.044

■ 47, 34.887,
147.969

■ 49, 20.302,
149.981

■ 47, 41.701,
146.742

■ 50, 12.788,
150.799

■ 46, 48.007,
145.356

■ 51, 5.268, 151.530

■ 46, 53.664,
143.820

■ 52, 2.181, 332.001

■ 54, 9.500, 332.622

■ 45, 58.549,
142.168

■ 55, 16.649,
333.111

■ 45, 62.628,
140.527

■ 57, 23.601,
333.540

■ 45, 63.720,
140.120

■ 59, 30.342,
333.922

■ 60, 36.866,

Harmonies

Complementary

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



48, 27.707, 149.044



40, 27.880, 334.350

Rectangle

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



48, 27.707, 149.044



48, 27.707, 199.044



48, 27.707, 329.044



48, 27.707, 19.044

Sweetspot

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



48, 27.708, 149.044



64, 10.156, 151.229



50, 26.728, 116.982



34, 6.881, 151.151



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, 27.708, 149.044



60, 40.365, 148.199



49, 18.821, 174.767



25, 4.157, 151.388



45, 64.044, 140.107



87, 110.367, 139.108

Inverse Universe

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



40, 27.880, 334.350



48, 40.545, 334.930



39, 21.218, 2.491



24, 4.173, 332.455



27, 57.026, 340.120



57, 95.150, 340.936

Previews

White Background



This preview shows how the CIELCh color 48, 27.707, 149.044 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, 27.707, 149.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

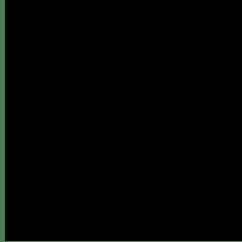
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.707, 149.044

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.707, 149.044.



This preview shows how white text looks on a background with the CIELCh color 48, 27.707, 149.044.

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, 27.707, 149.044

Protanopia

48, 17.448, 94.508

Deuteranopia

48, 14.389, 63.724



Tritanopia
48, 13.008, 225.445

Trichromacy



Original Color
48, 27.707, 149.044

Protanomaly
48, 18.701, 122.498

Deuteranomaly
48, 14.102, 113.539

Tritanomaly
48, 15.006, 181.729

Monochromacy



Original Color
48, 27.707, 149.044

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, 27.707, 149.044 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(78, 124, 89)` looks like.

```
.text, #text, p{  
    color:rgb(78, 124, 89)  
}
```

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(78, 124, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 124, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.707, 149.044 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(78, 124, 89) }
```

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

```
.border{ border-color:rgb(78, 124, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 124, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 124, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 124, 89);  
box-shadow:4px 4px 4px 4px rgb(78, 124,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.707, 149.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 124, 89) }
```

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

```
.background{ background-color: rgb(78, 124,  
89) }
```

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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