

Converting Colors

CIELCh(48, 33.583, 172.074)

Have a look what the booklet for
CIELCh(48, 33.583, 172.074)
contains.

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Color

CIELCh(48, 33.509, 172.027)

Conversions

Conversions Part 1

Format	Color
Hex	1F8069
RGB	31, 128, 105
RGB Percent	12%, 50%, 41%
CMY	0.8776, 0.4975, 0.5877
CMYK	0.76, 0.00, 0.18, 0.50
HSL	166°, 61%, 31%
HSV	166°, 76%, 50%
XYZ	10.8671, 16.7945, 16.0715
YIQ	96.3750, -50.4290, -27.7170

Conversions

Conversions Part 2

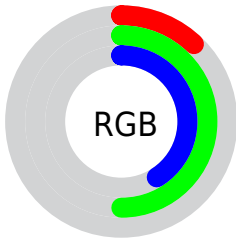
Format	Color
R_{YB}	31, 86, 128
Decimal	2064489
CIE _{Lab}	48.00, -33.19, 4.65
CIE _{LCh}	48, 33.509, 172.027
Yxy	16.7945, 0.2485, 0.3840
Android (android.graphics.Color)	4280254569 (0xFF1F8069)
YUV	96.3750, 4.2521, -57.3339
Hunter-Lab	40.9810, -24.3832, 5.4350

Details

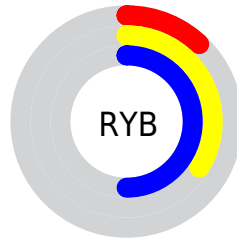
The CIELCh color **48, 33.509, 172.027** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **29, 43.834, 13.936**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 33.388, 172.268**, and **29, 27.523, 167.557** is the 20% darker color. If you saturate the color by 10%, you get **48, 35.996, 170.410**, and if you desaturate by 10%, it is **48, 30.457, 173.483**.

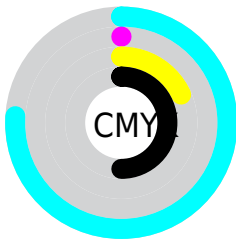
Distribution



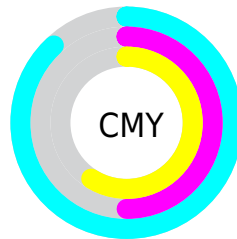
- Red (12%)
- Green (50%)
- Blue (41%)



- Red (12%)
- Yellow (34%)
- Blue (50%)



- Cyan (76%)
- Magenta (0%)
- Yellow (18%)
- Black (50%)




- Cyan (88%)
- Magenta (50%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 33.509, 172.027 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, 33.509, 172.027 by changing the saturation by 10% instead.


 48, 33.509,
172.027


 48, 33.509,
172.027


 100, 33.509,
172.027


 38, 33.509,
172.027

 68, 33.509,
172.027


 28, 33.509,
172.027

 78, 33.509,
172.027

 18, 33.509,
172.027


 88, 33.509,
172.027

 8, 33.509, 172.027

 98, 33.509,
172.027

 0, 33.509, 172.027

 48, 33.509,

 48, 33.509,

172.027

172.027

■ 48, 35.996,
170.410

■ 48, 30.457,
173.483

■ 48, 37.973,
168.645

■ 49, 26.859,
174.800

■ 47, 38.797,
167.898

■ 49, 22.769,
176.000

■ 50, 18.258,
177.103

■ 51, 13.409,
178.130

■ 52, 8.306, 179.100

■ 53, 3.026, 180.075

■ 54, 2.362, 0.659

■ 55, 7.799, 1.581

Harmonies

Complementary

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



48, 33.509, 172.027



29, 43.834, 13.936

Rectangle

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



48, 33.509, 172.027



48, 33.509, 222.027



48, 33.509, 352.027



48, 33.509, 42.027

Sweetspot

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



48, 33.509, 172.026



65, 14.900, 178.339



47, 59.476, 133.491



34, 10.337, 178.031



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 33.509, 172.026



61, 45.234, 169.097



41, 23.982, 235.892



26, 3.003, 179.725



47, 38.649, 167.909



0, 0.000, 0.000

Inverse Universe

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



29, 43.834, 13.936



35, 61.638, 21.429



33, 42.109, 45.045



25, 3.097, 1.201



26, 53.544, 24.560



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 33.509, 172.027 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, 33.509, 172.027 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, 33.509, 172.027

Background



This preview shows how black text looks on a background with the CIELCh color 48, 33.509, 172.027.

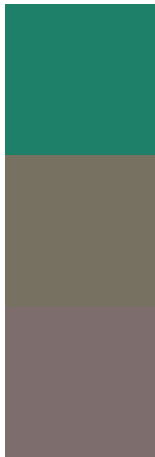


This preview shows how white text looks on a background with the CIELCh color 48, 33.509, 172.027.

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, 33.509, 172.027

Protanopia
48, 9.739, 93.520

Deuteranopia
48, 7.113, 20.211



Tritanopia
48, 23.603, 211.782

Trichromacy



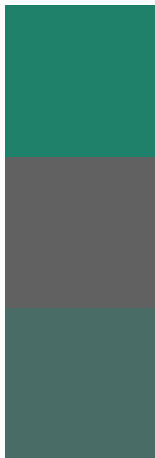
Original Color
48, 33.509, 172.027

Protanomaly
47, 17.152, 156.755

Deuteranomaly
47, 10.683, 171.846

Tritanomaly
48, 26.015, 194.102

Monochromacy



Original Color
48, 33.509, 172.027

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 14.468, 178.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 33.509, 172.027 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(31, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(31, 128, 105)  
}
```

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(31, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 128, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 33.509, 172.027 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(31, 128, 105) }
```

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

```
.border{ border-color:rgb(31, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(31, 128,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 33.509, 172.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 128, 105) }
```

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

```
.background{ background-color: rgb(31, 128,  
105) }
```

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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