

Converting Colors

CIELCh(48, 31.147, 188.537)

Have a look what the booklet for
CIELCh(48, 31.147, 188.537)
contains.

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Color

CIELCh(48, 31.204, 188.546)

Conversions

Conversions Part 1

Format	Color
Hex	048079
RGB	4, 128, 121
RGB Percent	2%, 50%, 47%
CMY	0.9862, 0.4987, 0.5261
CMYK	0.97, 0.00, 0.05, 0.50
HSL	177°, 95%, 26%
HSV	177°, 97%, 50%
XYZ	11.1828, 16.7945, 20.6899
YIQ	90.1260, -71.6570, -28.4650

Conversions

Conversions Part 2

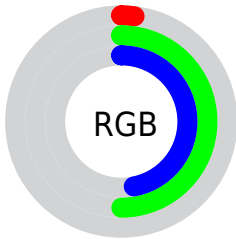
Format	Color
RYB	4, 68, 128
Decimal	295033
CIELab	48.00, -30.86, -4.64
CIELCh	48, 31.204, 188.546
Yxy	16.7945, 0.2298, 0.3451
Android (android.graphics.Color)	4278485113 (0xFF048079)
YUV	90.1260, 15.2209, -75.5325
Hunter-Lab	40.9810, -23.0082, -1.2467

Details

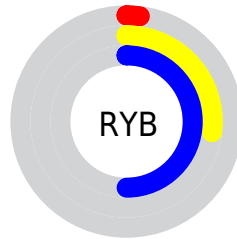
The CIELCh color **48, 31.204, 188.546** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **26, 58.449, 35.575**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 31.182, 188.710**, and **29, 22.332, 187.819** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.451, 188.364**, and if you desaturate by 10%, it is **48, 30.248, 189.218**.

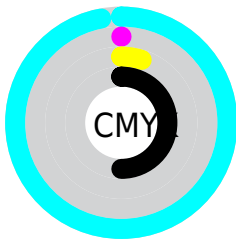
Distribution



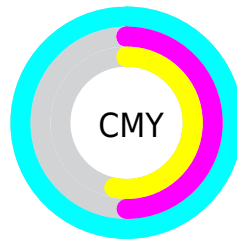
- Red (2%)
- Green (50%)
- Blue (47%)



- Red (2%)
- Yellow (27%)
- Blue (50%)



- Cyan (97%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)





- Cyan (99%)
- Magenta (50%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 31.204, 188.546 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, 31.204, 188.546 by changing the saturation by 10% instead.


 48, 31.204,
188.546


 48, 31.204,
188.546


 100, 31.204,
188.546


 38, 31.204,
188.546

 68, 31.204,
188.546


 28, 31.204,
188.546

 78, 31.204,
188.546

 18, 31.204,
188.546

 88, 31.204,
188.546

 8, 31.204, 188.546

 98, 31.204,
188.546

 0, 31.204, 188.546

 48, 31.204,

 48, 31.204,

188.546

188.546

■ 48, 31.451,
188.364

■ 48, 30.248,
189.218

■ 48, 28.803,
189.868

■ 49, 26.760,
190.496

■ 49, 24.118,
191.114

■ 50, 20.907,
191.732

■ 50, 17.181,
192.357

■ 51, 13.010,
192.994

■ 52, 8.471, 193.651

Harmonies

Complementary

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



48, 31.204, 188.546



26, 58.449, 35.575

Rectangle

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



48, 31.204, 188.546



48, 31.204, 238.546



48, 31.204, 8.546



48, 31.204, 58.546

Sweetspot

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



48, 31.204, 188.545



65, 16.987, 192.839



46, 70.597, 135.761



34, 11.604, 192.608



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, 31.204, 188.545



61, 38.059, 188.187



31, 35.857, 273.898



26, 2.813, 194.221



48, 31.391, 188.366



0, 0.000, 0.000

Inverse Universe

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



26, 58.449, 35.575



34, 73.289, 37.501



33, 50.708, 56.924



25, 2.956, 15.313



25, 59.463, 36.093



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 31.204, 188.546 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, 31.204, 188.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

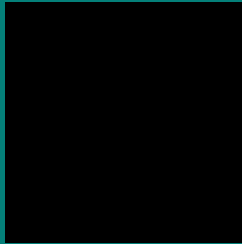
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 31.204, 188.546

Background



This preview shows how black text looks on a background with the CIELCh color 48, 31.204, 188.546.



This preview shows how white text looks on a background with the CIELCh color 48, 31.204, 188.546.

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, 31.204, 188.546

Protanopia

48, 1.353, 45.012

Deuteranopia

48, 9.592, 312.957



Tritanopia
48, 26.622, 209.805

Trichromacy



Original Color
48, 31.204, 188.546

Protanomaly
47, 15.885, 191.186

Deuteranomaly
46, 14.337, 214.970

Tritanomaly
48, 28.207, 200.222

Monochromacy



Original Color
48, 31.204, 188.546

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 16.581, 191.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 31.204, 188.546 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(4, 128, 121)` looks like.

```
.text, #text, p{  
    color:rgb(4, 128, 121)  
}
```

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(4, 128, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 128, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 31.204, 188.546 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(4, 128, 121) }
```

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

```
.border{ border-color:rgb(4, 128, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 128, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 128, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 128, 121);  
box-shadow:4px 4px 4px 4px rgb(4, 128,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 31.204, 188.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 128, 121) }
```

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

```
.background{ background-color: rgb(4, 128,  
121) }
```

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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