

Converting Colors

CIELCh(48, 24.667, 197.789)

Have a look what the booklet for
CIELCh(48, 24.667, 197.789)
contains.

CIELCh(48, 24.667, 198.262)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 24.667, 198.262)

Conversions

Conversions Part 1

Format	Color
Hex	2D7D7E
RGB	45, 125, 126
RGB Percent	18%, 49%, 49%
CMY	0.8225, 0.5090, 0.5051
CMYK	0.64, 0.01, 0.00, 0.51
HSL	181°, 47%, 34%
HSV	181°, 64%, 49%
XYZ	12.2318, 16.7945, 22.4047
YIQ	101.1940, -48.0010, -16.6490

Conversions

Conversions Part 2

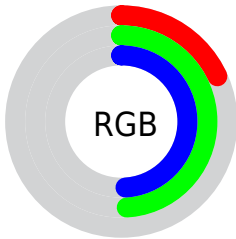
Format	Color
RYB	45, 85, 126
Decimal	2981246
CIELab	48.00, -23.42, -7.73
CIELCh	48, 24.667, 198.262
Yxy	16.7945, 0.2378, 0.3265
Android (android.graphics.Color)	4281171326 (0xFF2D7D7E)
YUV	101.1940, 12.2294, -49.2821
Hunter-Lab	40.9810, -18.4392, -3.7276

Details

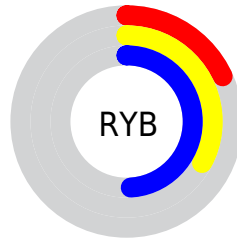
The CIELCh color **48, 24.667, 198.262** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **31, 39.392, 28.561**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 24.536, 198.748**, and **29, 20.709, 198.234** is the 20% darker color. If you saturate the color by 10%, you get **48, 26.649, 198.164**, and if you desaturate by 10%, it is **48, 22.091, 198.435**.

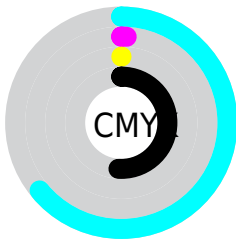
Distribution



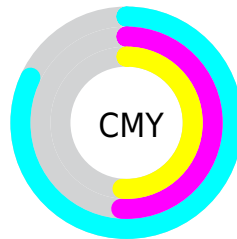
- Red (18%)
- Green (49%)
- Blue (49%)



- Red (18%)
- Yellow (33%)
- Blue (49%)



- Cyan (64%)
- Magenta (1%)
- Yellow (0%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 24.667, 198.262 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, 24.667, 198.262 by changing the saturation by 10% instead.

 48, 24.667,
198.262

 48, 24.667,
198.262

 100, 24.667,
198.262

 38, 24.667,
198.262

 68, 24.667,
198.262

 28, 24.667,
198.262

 78, 24.667,
198.262

 18, 24.667,
198.262

 88, 24.667,
198.262

 8, 24.667, 198.262

 98, 24.667,
198.262

 0, 24.667, 198.262

 48, 24.667,

 48, 24.667,

198.262

■ 48, 26.649,
198.164

■ 47, 28.034,
198.147

■ 47, 28.865,
198.205

■ 47, 29.257,
198.251

198.262

■ 48, 22.091,
198.435

■ 49, 18.954,
198.683

■ 50, 15.310,
199.001

■ 51, 11.227,
199.383

■ 51, 6.777, 199.830

■ 52, 2.035, 200.434

■ 54, 2.932, 20.609

■ 55, 8.063, 21.225

■ 56, 13.305, 21.795

Harmonies

Complementary

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



48, 24.667, 198.262



31, 39.392, 28.561

Rectangle

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



48, 24.667, 198.262



48, 24.667, 248.262



48, 24.667, 18.262



48, 24.667, 68.262

Sweetspot

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



48, 24.667, 198.260



65, 11.064, 199.584



47, 54.962, 139.047



33, 7.521, 199.481



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, 24.667, 198.260



61, 33.003, 198.146



35, 27.083, 268.507



26, 2.758, 200.092



48, 29.473, 198.253



0, 0.000, 0.000

Inverse Universe

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



34, 53.878, 327.877



41, 74.589, 328.327



40, 32.367, 67.642



25, 5.060, 325.227



30, 68.488, 328.712



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 48, 24.667, 198.262 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, 24.667, 198.262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

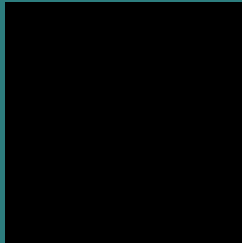
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 24.667, 198.262

Background



This preview shows how black text looks on a background with the CIELCh color 48, 24.667, 198.262.



This preview shows how white text looks on a background with the CIELCh color 48, 24.667, 198.262.

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, 24.667, 198.262

Protanopia

48, 2.987, 298.267

Deuteranopia

48, 11.602, 305.115



Tritanopia
48, 23.241, 212.048

Trichromacy



Original Color
48, 24.667, 198.262

Protanomaly
47, 10.631, 211.264

Deuteranomaly
47, 11.345, 237.568

Tritanomaly
48, 23.440, 207.350

Monochromacy



Original Color
48, 24.667, 198.262

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.023, 198.157

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 24.667, 198.262 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(45, 125, 126)` looks like.

```
.text, #text, p{  
    color:rgb(45, 125, 126)  
}
```

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(45, 125, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 125, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 24.667, 198.262 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(45, 125, 126) }
```

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

```
.border{ border-color:rgb(45, 125, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 125, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 125, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 125, 126);  
box-shadow:4px 4px 4px 4px rgb(45, 125,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 24.667, 198.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 125, 126) }
```

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

```
.background{ background-color: rgb(45, 125,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor