

Converting Colors

CIELCh(48, 29.809, 194.042)

Have a look what the booklet for
CIELCh(48, 29.809, 194.042)
contains.

CIELCh(48, 29.726, 194.082)	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, 29.726, 194.082)

Conversions

Conversions Part 1

Format	Color
Hex	0A7F7D
RGB	10, 127, 125
RGB Percent	4%, 50%, 49%
CMY	0.9615, 0.5010, 0.5088
CMYK	0.92, 0.00, 0.02, 0.50
HSL	179°, 86%, 27%
HSV	179°, 92%, 50%
XYZ	11.4624, 16.7945, 22.1229
YIQ	91.7890, -69.0900, -25.4260

Conversions

Conversions Part 2

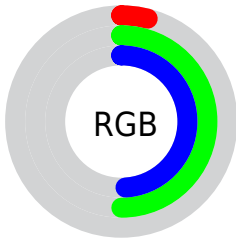
Format	Color
RYB	10, 69, 127
Decimal	687997
CIELab	48.00, -28.83, -7.23
CIELCh	48, 29.726, 194.082
Yxy	16.7945, 0.2275, 0.3334
Android (android.graphics.Color)	4278878077 (0xFF0A7F7D)
YUV	91.7890, 16.3730, -71.7290
Hunter-Lab	40.9810, -21.7905, -3.3200

Details

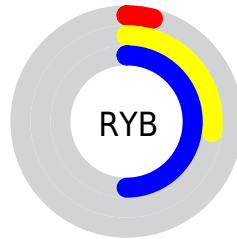
The CIELCh color **48, 29.726, 194.082** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **26, 57.178, 36.041**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 29.584, 194.895**, and **29, 21.244, 194.588** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.310, 193.878**, and if you desaturate by 10%, it is **48, 28.710, 194.359**.

Distribution



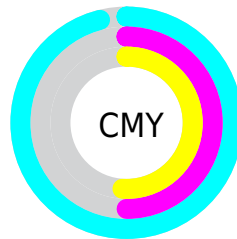
- Red (4%)
- Green (50%)
- Blue (49%)



- Red (4%)
- Yellow (27%)
- Blue (50%)



- Cyan (92%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)



- Cyan (96%)
- Magenta (50%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 29.726, 194.082 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, 29.726, 194.082 by changing the saturation by 10% instead.


 48, 29.726,
194.082


 48, 29.726,
194.082


 100, 29.726,
194.082


 38, 29.726,
194.082

 68, 29.726,
194.082


 28, 29.726,
194.082

 78, 29.726,
194.082

 18, 29.726,
194.082

 88, 29.726,
194.082

 8, 29.726, 194.082

 98, 29.726,
194.082

 0, 29.726, 194.082

 48, 29.726,

 48, 29.726,

194.082

194.082

■ 48, 30.310,
193.878

■ 48, 28.710,
194.359

■ 48, 27.114,
194.666

■ 49, 24.915,
195.009

■ 49, 22.122,
195.392

■ 50, 18.774,
195.818

■ 50, 14.929,
196.285

■ 51, 10.660,
196.795

■ 52, 6.041, 197.356

Harmonies

Complementary

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



48, 29.726, 194.082



26, 57.178, 36.041

Rectangle

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



48, 29.726, 194.082



48, 29.726, 244.082



48, 29.726, 14.082



48, 29.726, 64.082

Sweetspot

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



48, 29.726, 194.081



65, 16.282, 196.465



46, 69.192, 136.254



34, 11.179, 196.282



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, 29.726, 194.081



62, 36.766, 193.819



30, 36.261, 275.738



26, 2.797, 197.554



48, 30.352, 193.877



0, 0.000, 0.000

Inverse Universe

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



26, 57.178, 36.041



34, 74.852, 39.132



35, 47.512, 60.352



25, 2.950, 18.489



25, 60.594, 37.676



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 29.726, 194.082 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, 29.726, 194.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

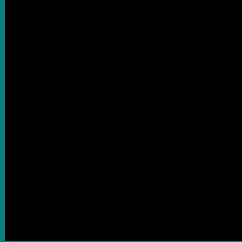
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.726, 194.082

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.726, 194.082.



This preview shows how white text looks on a background with the CIELCh color 48, 29.726, 194.082.

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





Tritanopia
48, 26.946, 209.618

Trichromacy



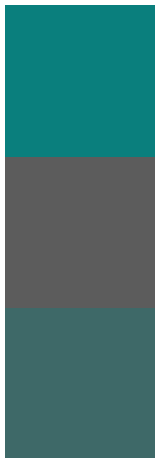
Original Color
48, 29.670, 194.083

Protanomaly
47, 15.155, 200.037

Deuteranomaly
47, 14.878, 224.278

Tritanomaly
48, 27.725, 204.090

Monochromacy



Original Color
48, 29.670, 194.083

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 15.704, 195.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.726, 194.082 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(10, 127, 125)` looks like.

```
.text, #text, p{  
    color:rgb(10, 127, 125)  
}
```

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(10, 127, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 127, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.726, 194.082 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(10, 127, 125) }
```

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

```
.border{ border-color:rgb(10, 127, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 127, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 127, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 127, 125);  
box-shadow:4px 4px 4px 4px rgb(10, 127,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.726, 194.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 127, 125) }
```

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

```
.background{ background-color: rgb(10, 127,  
125) }
```

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