

Converting Colors

CIELCh(48, 28.231, 179.738)

Have a look what the booklet for
CIELCh(48, 28.231, 179.738)
contains.

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Color

CIELCh(48, 28.399, 179.457)

Conversions

Conversions Part 1

Format	Color
Hex	2C7F71
RGB	44, 127, 113
RGB Percent	17%, 50%, 44%
CMY	0.8291, 0.5034, 0.5582
CMYK	0.66, 0.00, 0.11, 0.50
HSL	170°, 49%, 33%
HSV	170°, 66%, 50%
XYZ	11.5230, 16.7945, 18.1528
YIQ	100.5870, -44.9740, -21.9500

Conversions

Conversions Part 2

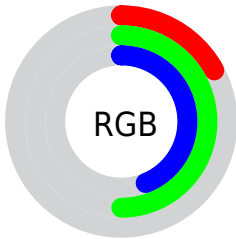
Format	Color
RYB	44, 89, 127
Decimal	2916209
CIELab	48.00, -28.40, 0.27
CIELCh	48, 28.399, 179.457
Yxy	16.7945, 0.2480, 0.3614
Android (android.graphics.Color)	4281106289 (0xFF2C7F71)
YUV	100.5870, 6.1196, -49.6268
Hunter-Lab	40.9810, -21.5263, 2.4238

Details

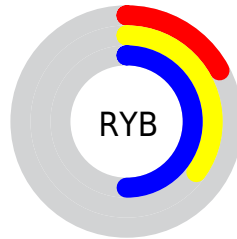
The CIELCh color **48, 28.399, 179.457** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **31, 38.558, 16.045**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.230, 180.000**, and **29, 24.295, 177.165** is the 20% darker color. If you saturate the color by 10%, you get **48, 31.048, 178.223**, and if you desaturate by 10%, it is **48, 25.190, 180.585**.

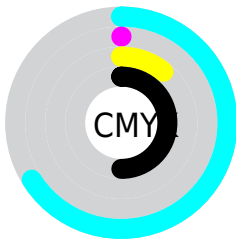
Distribution



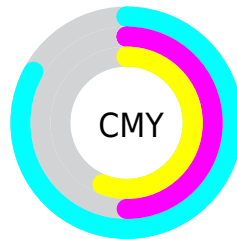
- Red (17%)
- Green (50%)
- Blue (44%)



- Red (17%)
- Yellow (35%)
- Blue (50%)



- Cyan (66%)
- Magenta (0%)
- Yellow (11%)
- Black (50%)



- Cyan (83%)
- Magenta (50%)
- Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.399, 179.457 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, 28.399, 179.457 by changing the saturation by 10% instead.

 48, 28.399,
179.457

 48, 28.399,
179.457

 100, 28.399,
179.457

 38, 28.399,
179.457

 68, 28.399,
179.457


 28, 28.399,
179.457

 78, 28.399,
179.457

 18, 28.399,
179.457

 88, 28.399,
179.457

 8, 28.399, 179.457

 98, 28.399,
179.457

 0, 28.399, 179.457

 48, 28.399,

 48, 28.399,

179.457

179.457

■ 48, 31.048,
178.223

■ 48, 25.190,
180.585

■ 47, 33.122,
176.866

■ 49, 21.467,
181.630

■ 47, 34.680,
175.387

■ 50, 17.296,
182.609

■ 47, 35.326,
174.750

■ 51, 12.756,
183.538

■ 51, 7.926, 184.433

■ 52, 2.885, 185.358

■ 54, 2.300, 5.882

■ 55, 7.569, 6.783

■ 56, 12.873, 7.569

Harmonies

Complementary

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



48, 28.399, 179.457



31, 38.558, 16.045

Rectangle

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



48, 28.399, 179.457



48, 28.399, 229.457



48, 28.399, 359.457



48, 28.399, 49.457

Sweetspot

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



48, 28.399, 179.456



65, 12.555, 183.998



47, 53.608, 135.432



34, 8.592, 183.786



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, 28.399, 179.456



61, 39.208, 177.519



40, 22.478, 244.016



26, 2.909, 185.017



47, 35.505, 174.738



0, 0.000, 0.000

Inverse Universe

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



31, 38.558, 16.045



37, 57.003, 21.402



36, 34.065, 50.305



25, 3.021, 6.410



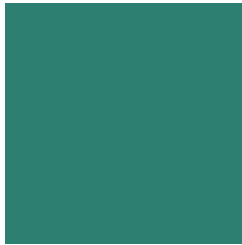
26, 55.811, 29.904



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 28.399, 179.457 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, 28.399, 179.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

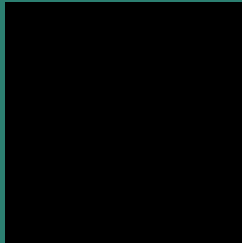
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.399, 179.457

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.399, 179.457.

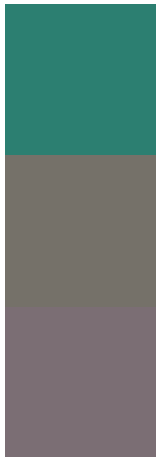


This preview shows how white text looks on a background with the CIELCh color 48, 28.399, 179.457.

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, 28.399, 179.457

Protanopia
48, 4.982, 89.882

Deuteranopia
48, 6.391, 346.609



Tritanopia
48, 22.475, 212.635

Trichromacy



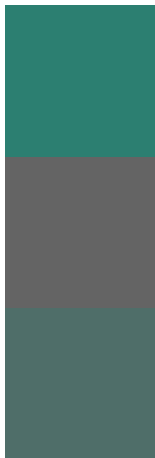
Original Color
48, 28.399, 179.457

Protanomaly
47, 12.593, 169.978

Deuteranomaly
47, 8.543, 194.492

Tritanomaly
48, 23.697, 198.414

Monochromacy



Original Color
48, 28.399, 179.457

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 12.403, 183.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.399, 179.457 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(44, 127, 113)` looks like.

```
.text, #text, p{  
    color:rgb(44, 127, 113)  
}
```

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(44, 127, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 127, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.399, 179.457 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(44, 127, 113) }
```

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

```
.border{ border-color:rgb(44, 127, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 127, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 127, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 127, 113);  
box-shadow:4px 4px 4px 4px rgb(44, 127,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.399, 179.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 127, 113) }
```

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

```
.background{ background-color: rgb(44, 127,  
113) }
```

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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