

Converting Colors

CIELCh(48, 27.956, 199.775)

Have a look what the booklet for
CIELCh(48, 27.956, 199.775)
contains.

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Color

CIELCh(48, 27.839, 200.295)

Conversions

Conversions Part 1

Format	Color
Hex	177E81
RGB	23, 126, 129
RGB Percent	9%, 49%, 51%
CMY	0.9108, 0.5044, 0.4926
CMYK	0.82, 0.02, 0.00, 0.49
HSL	182°, 70%, 30%
HSV	182°, 82%, 51%
XYZ	11.8455, 16.7945, 23.5193
YIQ	95.5450, -62.3510, -20.9030

Conversions

Conversions Part 2

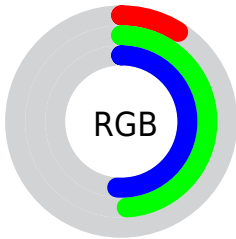
Format	Color
RYB	23, 75, 129
Decimal	1539713
CIELab	48.00, -26.11, -9.66
CIElCh	48, 27.839, 200.295
Yxy	16.7945, 0.2271, 0.3220
Android (android.graphics.Color)	4279729793 (0xFF177E81)
YUV	95.5450, 16.4933, -63.6220
Hunter-Lab	40.9810, -20.1219, -5.3401

Details

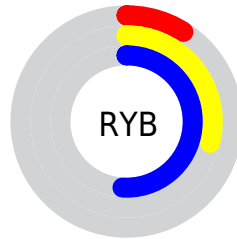
The CIELCh color **48, 27.839, 200.295** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 52.342, 34.587**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 27.744, 200.677**, and **29, 20.326, 203.933** is the 20% darker color. If you saturate the color by 10%, you get **48, 28.708, 200.537**, and if you desaturate by 10%, it is **48, 26.383, 200.161**.

Distribution



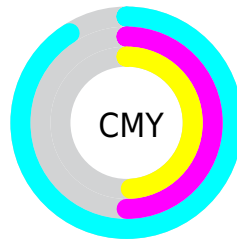
- Red (9%)
- Green (49%)
- Blue (51%)



- Red (9%)
- Yellow (29%)
- Blue (51%)



- Cyan (82%)
- Magenta (2%)
- Yellow (0%)
- Black (49%)



- Cyan (91%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.839, 200.295 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, 27.839, 200.295 by changing the saturation by 10% instead.

 48, 27.839,
200.295


 48, 27.839,
200.295

 100, 27.839,
200.295

 38, 27.839,
200.295

 68, 27.839,
200.295


 28, 27.839,
200.295

 78, 27.839,
200.295

 18, 27.839,
200.295

 88, 27.839,
200.295

 8, 27.839, 200.295

 98, 27.839,
200.295

 0, 27.839, 200.295

 48, 27.839,

 48, 27.839,

200.295

■ 48, 28.708,
200.537

■ 48, 29.170,
200.756

200.295

■ 48, 26.383,
200.161

■ 49, 24.316,
200.135

■ 49, 21.649,
200.209

■ 50, 18.420,
200.375

■ 51, 14.688,
200.624

■ 52, 10.523,
200.949

■ 53, 6.001, 201.351

■ 54, 1.194, 202.043

Harmonies

Complementary

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



48, 27.839, 200.295



28, 52.342, 34.587

Rectangle

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



48, 27.839, 200.295



48, 27.839, 250.295



48, 27.839, 20.295



48, 27.839, 70.295

Sweetspot

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



48, 27.839, 200.294



66, 14.400, 200.838



47, 66.278, 137.462



34, 9.679, 200.743



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, 27.839, 200.294



61, 35.267, 200.828



31, 36.069, 277.038



26, 2.715, 201.510



47, 28.864, 200.749



0, 0.000, 0.000

Inverse Universe

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



31, 63.843, 328.970



40, 82.642, 329.355



38, 43.063, 66.499



25, 5.006, 325.658



29, 67.672, 329.344



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 48, 27.839, 200.295 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, 27.839, 200.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

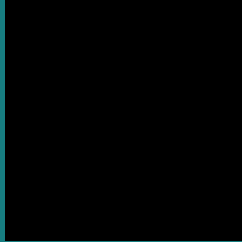
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 27.839, 200.295

Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.839, 200.295.



This preview shows how white text looks on a background with the CIELCh color 48, 27.839, 200.295.

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, 27.742, 200.317

Protanopia
48, 4.724, 290.820

Deuteranopia
48, 13.118, 298.528



Tritanopia
48, 26.421, 211.287

Trichromacy



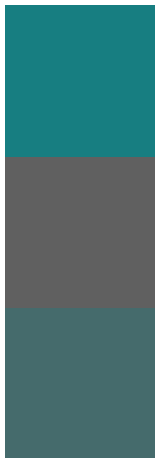
Original Color
48, 27.742, 200.317

Protanomaly
47, 13.948, 212.877

Deuteranomaly
47, 15.030, 234.780

Tritanomaly
48, 26.913, 207.001

Monochromacy



Original Color
48, 27.742, 200.317

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 13.974, 200.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.839, 200.295 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(23, 126, 129)` looks like.

```
.text, #text, p{  
    color:rgb(23, 126, 129)  
}
```

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(23, 126, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 126, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.839, 200.295 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(23, 126, 129) }
```

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

```
.border{ border-color:rgb(23, 126, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 126, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 126, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 126, 129);  
box-shadow:4px 4px 4px 4px rgb(23, 126,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.839, 200.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 126, 129) }
```

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

```
.background{ background-color: rgb(23, 126,  
129) }
```

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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