

Converting Colors

CIELCh(46, 27.025, 215.838)

Have a look what the booklet for
CIELCh(46, 27.025, 215.838)
contains.

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Color

CIELCh(46, 27.034, 216.389)

Conversions

Conversions Part 1

Format	Color
Hex	0C7887
RGB	12, 120, 135
RGB Percent	5%, 47%, 53%
CMY	0.9526, 0.5293, 0.4705
CMYK	0.91, 0.11, 0.00, 0.47
HSL	187°, 84%, 29%
HSV	187°, 91%, 53%
XYZ	11.2479, 15.2687, 25.2869
YIQ	89.4180, -69.1830, -18.2310

Conversions

Conversions Part 2

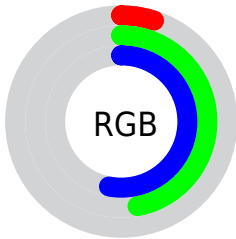
Format	Color
RYB	12, 70, 135
Decimal	817287
CIELab	46.00, -21.76, -16.04
CIELCh	46, 27.034, 216.389
Yxy	15.2687, 0.2171, 0.2947
Android (android.graphics.Color)	4279007367 (0xFF0C7887)
YUV	89.4180, 22.4719, -67.8956
Hunter-Lab	39.0751, -16.9998, -11.0160

Details

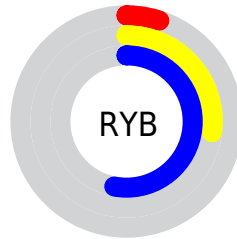
The CIELCh color **46, 27.034, 216.389** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 57.610, 39.909**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.129, 215.454**, and **27, 19.587, 225.116** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.486, 218.064**, and if you desaturate by 10%, it is **47, 26.199, 214.742**.

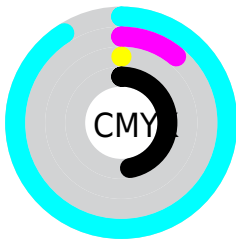
Distribution



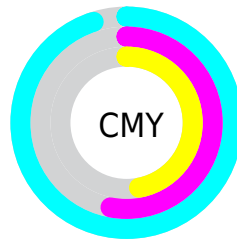
- Red (5%)
- Green (47%)
- Blue (53%)



- Red (5%)
- Yellow (27%)
- Blue (53%)



- Cyan (91%)
- Magenta (11%)
- Yellow (0%)
- Black (47%)



- Cyan (95%)
- Magenta (53%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 27.034, 216.389 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 46, 27.034, 216.389 by changing the saturation by 10% instead.

 46, 27.034,
216.389


 46, 27.034,
216.389

 100, 27.034,
216.389


 36, 27.034,
216.389

 66, 27.034,
216.389


 26, 27.034,
216.389

 76, 27.034,
216.389

 16, 27.034,
216.389

 86, 27.034,
216.389

 6, 27.034, 216.389

 96, 27.034,
216.389

 0, 27.034, 216.389

 46, 27.034,

 46, 27.034,

216.389

216.389

■ 45, 27.486,
218.064

■ 47, 26.199,
214.742

■ 48, 24.785,
213.455

■ 48, 22.772,
212.481

■ 49, 20.178,
211.776

■ 51, 17.047,
211.295

■ 52, 13.443,
211.000

■ 53, 9.436, 210.862

■ 55, 5.097, 210.868

Harmonies

Complementary

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



46, 27.034, 216.389



29, 57.610, 39.909

Rectangle

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



46, 27.034, 216.389



46, 27.034, 266.389



46, 27.034, 36.389



46, 27.034, 86.389

Sweetspot

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



46, 27.033, 216.388



67, 14.699, 210.936



49, 69.080, 138.360



35, 9.876, 210.989



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 27.033, 216.388



58, 33.326, 218.619



27, 49.277, 289.286



27, 2.577, 210.890



44, 26.755, 217.976



0, 0.632, 210.878

Inverse Universe

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



31, 64.104, 333.116



41, 79.538, 333.750



41, 48.380, 73.717



26, 4.848, 328.437



29, 63.905, 333.591



0, 1.154, 327.947

Previews

White Background



This preview shows how the CIE LCh color 46, 27.034, 216.389 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 46, 27.034, 216.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

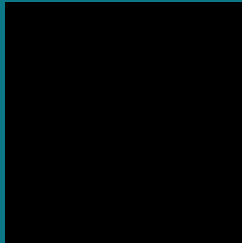
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.034, 216.389

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.034, 216.389.



This preview shows how white text looks on a background with the CIELCh color 46, 27.034, 216.389.

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



Trichromacy

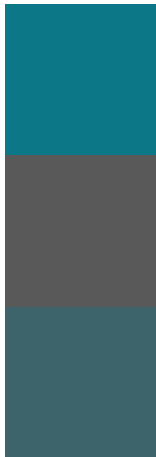


Original Color
46, 27.034, 216.389

Protanomaly
45, 17.085, 237.501

Deuteranomaly
45, 19.742, 250.803

Monochromacy



Original Color
46, 27.034, 216.389

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 14.313, 212.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.034, 216.389 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(12, 120, 135)` looks like.

```
.text, #text, p{  
    color:rgb(12, 120, 135)  
}
```

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(12, 120, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 120, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.034, 216.389 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(12, 120, 135) }
```

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

```
.border{ border-color:rgb(12, 120, 135) }
```

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

Here you see how a box with a 4 pixel rgb(12, 120, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 120, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 120, 135);  
box-shadow:4px 4px 4px 4px rgb(12, 120,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.034, 216.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 120, 135) }
```

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

```
.background{ background-color: rgb(12, 120,  
135) }
```

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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