

Converting Colors

CIELCh(46, 27.931, 205.326)

Have a look what the booklet for
CIELCh(46, 27.931, 205.326)
contains.

CIELCh(46, 27.914, 205.272)	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(46, 27.914, 205.272)

Conversions

Conversions Part 1

Format	Color
Hex	027980
RGB	2, 121, 128
RGB Percent	1%, 47%, 50%
CMY	0.9911, 0.5252, 0.4977
CMYK	0.98, 0.05, 0.00, 0.50
HSL	183°, 97%, 26%
HSV	183°, 98%, 50%
XYZ	10.7763, 15.2687, 22.8280
YIQ	86.2170, -73.1710, -23.0510

Conversions

Conversions Part 2

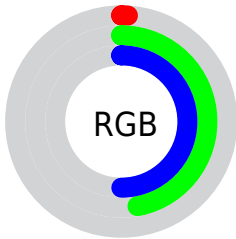
Format	Color
RYB	2, 63, 128
Decimal	162176
CIELab	46.00, -25.24, -11.92
CIELCh	46, 27.914, 205.272
Yxy	15.2687, 0.2205, 0.3124
Android (android.graphics.Color)	4278352256 (0xFF027980)
YUV	86.2170, 20.5990, -73.8583
Hunter-Lab	39.0751, -19.1541, -7.2850

Details

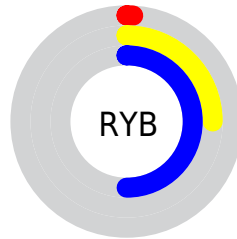
The CIELCh color **46, 27.914, 205.272** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 59.797, 39.116**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.878, 205.303**, and **27, 19.397, 210.439** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.011, 205.391**, and if you desaturate by 10%, it is **46, 27.331, 204.591**.

Distribution



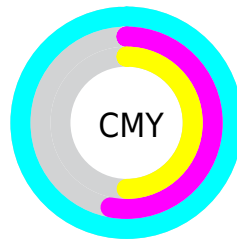
- Red (1%)
- Green (47%)
- Blue (50%)



- Red (1%)
- Yellow (25%)
- Blue (50%)



- Cyan (98%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (99%)
- Magenta (53%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 27.914, 205.272 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, 27.914, 205.272 by changing the saturation by 10% instead.


 46, 27.914,
205.272


 46, 27.914,
205.272


 100, 27.914,
205.272


 36, 27.914,
205.272

 66, 27.914,
205.272


 26, 27.914,
205.272


 76, 27.914,
205.272

 16, 27.914,
205.272

 86, 27.914,
205.272

 6, 27.914, 205.272

 96, 27.914,
205.272

 0, 27.914, 205.272

 46, 27.914,

 46, 27.914,

205.272

■ 46, 28.011,
205.391

205.272

■ 46, 27.331,
204.591

■ 47, 26.298,
204.050

■ 47, 24.672,
203.677

■ 48, 22.447,
203.458

■ 49, 19.649,
203.375

■ 49, 16.327,
203.411

■ 50, 12.544,
203.553

■ 51, 8.373, 203.787

Harmonies

Complementary

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



46, 27.914, 205.272



26, 59.797, 39.116

Rectangle

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



46, 27.914, 205.272



46, 27.914, 255.272



46, 27.914, 25.272



46, 27.914, 75.272

Sweetspot

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



46, 27.913, 205.271



64, 15.824, 203.526



46, 70.337, 136.731



33, 10.792, 203.469



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 27.913, 205.271



59, 33.760, 205.614



26, 45.423, 286.534



26, 2.643, 204.094



46, 27.920, 205.386



0, 0.000, 0.000

Inverse Universe

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



29, 66.118, 330.450



39, 80.166, 330.556



36, 49.273, 66.358



25, 4.912, 326.434



29, 66.268, 330.499



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 27.914, 205.272 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, 27.914, 205.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

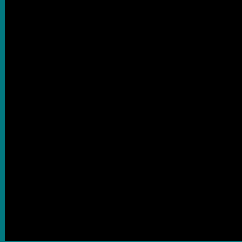
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.914, 205.272

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.914, 205.272.



This preview shows how white text looks on a background with the CIELCh color 46, 27.914, 205.272.

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

46, 27.914, 205.272

Protanopia

46, 7.143, 288.037

Deuteranopia

46, 14.930, 295.088



Tritanopia
46, 27.129, 209.546

Trichromacy



Original Color
46, 27.914, 205.272

Protanomaly
45, 16.073, 219.865

Deuteranomaly
45, 17.395, 239.343

Tritanomaly
46, 27.400, 208.083

Monochromacy



Original Color
46, 27.914, 205.272

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.458, 202.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.914, 205.272 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(2, 121, 128)` looks like.

```
.text, #text, p{  
    color:rgb(2, 121, 128)  
}
```

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(2, 121, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 121, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.914, 205.272 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(2, 121, 128) }
```

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

```
.border{ border-color:rgb(2, 121, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 121, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 121, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 121, 128);  
box-shadow:4px 4px 4px 4px rgb(2, 121,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.914, 205.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 121, 128) }
```

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

```
.background{ background-color: rgb(2, 121,  
128) }
```

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