

Converting Colors

CIELCh(46, 27.216, 204.263)

Have a look what the booklet for
CIELCh(46, 27.216, 204.263)
contains.

CIELCh(46, 27.216, 204.263)	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, 27.216, 204.263)

Conversions

Conversions Part 1

Format	Color
Hex	0F797F
RGB	15, 121, 127
RGB Percent	6%, 47%, 50%
CMY	0.9425, 0.5260, 0.5025
CMYK	0.88, 0.05, 0.00, 0.50
HSL	183°, 79%, 28%
HSV	183°, 88%, 50%
XYZ	10.8339, 15.2687, 22.4080
YIQ	89.9900, -65.1020, -20.6060

Conversions

Conversions Part 2

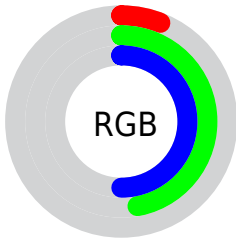
Format	Color
R_{YB}	15, 69, 127
Decimal	1014143
CIE _{Lab}	46.00, -24.81, -11.18
CIE _{LCh}	46, 27.216, 204.263
Yxy	15.2687, 0.2233, 0.3147
Android (android.graphics.Color)	4279204223 (0xFF0F797F)
YUV	89.9900, 18.2459, -65.7662
Hunter-Lab	39.0751, -18.8910, -6.6478

Details

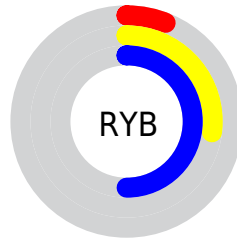
The CIELCh color **46, 27.216, 204.263** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 54.685, 37.081**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.280, 204.325**, and **27, 19.437, 208.378** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.801, 204.907**, and if you desaturate by 10%, it is **46, 26.193, 203.748**.

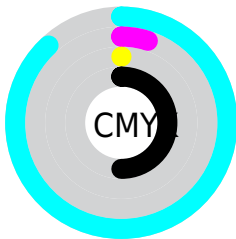
Distribution



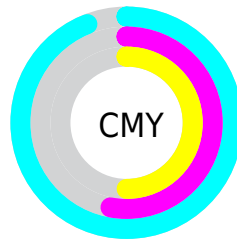
- Red (6%)
- Green (47%)
- Blue (50%)



- Red (6%)
- Yellow (27%)
- Blue (50%)



- Cyan (88%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)




- Cyan (94%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 27.216, 204.263 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, 27.216, 204.263 by changing the saturation by 10% instead.


 46, 27.216,
204.263


 46, 27.216,
204.263


 100, 27.216,
204.263


 36, 27.216,
204.263


 66, 27.216,
204.263


 26, 27.216,
204.263


 76, 27.216,
204.263

 16, 27.216,
204.263

 86, 27.216,
204.263

 6, 27.216, 204.263

 96, 27.216,
204.263

 0, 27.216, 204.263

 46, 27.216,

 46, 27.216,

204.263

■ 46, 27.801,
204.907

■ 46, 27.888,
205.007

204.263

■ 46, 26.193,
203.748

■ 47, 24.583,
203.396

■ 48, 22.378,
203.194

■ 48, 19.604,
203.125

■ 49, 16.308,
203.174

■ 50, 12.554,
203.325

■ 51, 8.413, 203.567

■ 52, 3.956, 203.916

Harmonies

Complementary

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



46, 27.216, 204.263



27, 54.685, 37.081

Rectangle

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



46, 27.216, 204.263



46, 27.216, 254.263



46, 27.216, 24.263



46, 27.216, 74.263

Sweetspot

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



46, 27.215, 204.262



64, 14.874, 203.341



46, 66.827, 137.480



33, 9.997, 203.287



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, 27.215, 204.262



59, 33.844, 205.229



28, 40.385, 282.622



26, 2.649, 203.887



46, 27.988, 205.011



0, 0.000, 0.000

Inverse Universe

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



30, 63.661, 330.078



39, 80.301, 330.461



37, 45.051, 68.385



25, 4.919, 326.372



29, 66.377, 330.407



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 27.216, 204.263 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, 27.216, 204.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

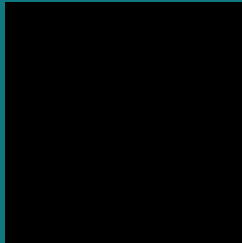
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.216, 204.263

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.216, 204.263.



This preview shows how white text looks on a background with the CIELCh color 46, 27.216, 204.263.

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, 27.216, 204.263

Protanopia

46, 5.957, 287.224

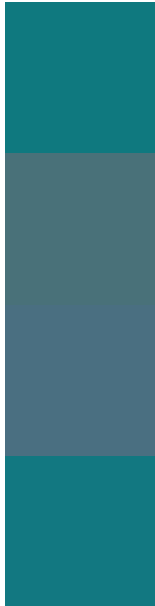
Deuteranopia

46, 14.337, 295.141



Tritanopia
46, 26.419, 209.968

Trichromacy



Original Color
46, 27.216, 204.263

Protanomaly
45, 14.738, 217.002

Deuteranomaly
45, 16.218, 240.196

Tritanomaly
46, 26.620, 208.498

Monochromacy



Original Color
46, 27.216, 204.263

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 13.959, 202.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.216, 204.263 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(15, 121, 127)` looks like.

```
.text, #text, p{  
    color:rgb(15, 121, 127)  
}
```

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(15, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 121, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.216, 204.263 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(15, 121, 127) }
```

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

```
.border{ border-color:rgb(15, 121, 127) }
```

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

Here you see how a box with a 4 pixel rgb(15, 121, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(15, 121,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.216, 204.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 121, 127) }
```

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

```
.background{ background-color: rgb(15, 121,  
127) }
```

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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