

Converting Colors

CIELCh(46, 27.276, 204.606)

Have a look what the booklet for
CIELCh(46, 27.276, 204.606)
contains.

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Color

CIELCh(46, 27.288, 204.236)

Conversions

Conversions Part 1

Format	Color
Hex	0E797F
RGB	14, 121, 127
RGB Percent	5%, 47%, 50%
CMY	0.9462, 0.5259, 0.5024
CMYK	0.89, 0.05, 0.00, 0.50
HSL	183°, 80%, 28%
HSV	183°, 89%, 50%
XYZ	10.8244, 15.2687, 22.4181
YIQ	89.6910, -65.6980, -20.8180

Conversions

Conversions Part 2

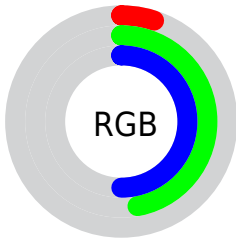
Format	Color
RYB	14, 69, 127
Decimal	948607
CIELab	46.00, -24.88, -11.20
CIELCh	46, 27.288, 204.236
Yxy	15.2687, 0.2231, 0.3147
Android (android.graphics.Color)	4279138687 (0xFF0E797F)
YUV	89.6910, 18.3933, -66.3810
Hunter-Lab	39.0751, -18.9344, -6.6632

Details

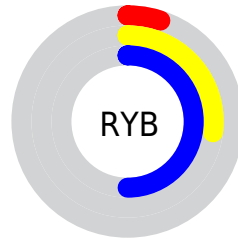
The CIELCh color **46, 27.288, 204.236** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 55.130, 37.252**, and the grayscale version is **38, 0.005, 296.813**.

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, 27.862, 204.875**, and if you desaturate by 10%, it is **46, 26.306, 203.714**.

Distribution



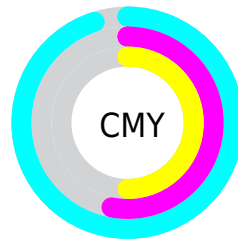
- Red (5%)
- Green (47%)
- Blue (50%)



- Red (5%)
- Yellow (27%)
- Blue (50%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (95%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 27.288, 204.236 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, 27.288, 204.236 by changing the saturation by 10% instead.

 46, 27.288,
204.236


 46, 27.288,
204.236


 100, 27.288,
204.236


 36, 27.288,
204.236

 66, 27.288,
204.236


 26, 27.288,
204.236

 76, 27.288,
204.236

 16, 27.288,
204.236

 86, 27.288,
204.236

 6, 27.288, 204.236

 96, 27.288,
204.236

 0, 27.288, 204.236

 46, 27.288,

 46, 27.288,

204.236

■ 46, 27.862,
204.875

■ 46, 27.907,
204.927

204.236

■ 46, 26.306,
203.714

■ 47, 24.739,
203.356

■ 47, 22.577,
203.148

■ 48, 19.842,
203.073

■ 49, 16.581,
203.116

■ 50, 12.857,
203.262

■ 51, 8.739, 203.500

■ 52, 4.301, 203.839

Harmonies

Complementary

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



46, 27.288, 204.236



27, 55.130, 37.252

Rectangle

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



46, 27.288, 204.236



46, 27.288, 254.236



46, 27.288, 24.236



46, 27.288, 74.236

Sweetspot

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



46, 27.287, 204.235



64, 14.880, 203.293



46, 67.116, 137.408



33, 10.002, 203.238



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, 27.287, 204.235



59, 33.862, 205.147



28, 40.744, 282.925



26, 2.650, 203.843



46, 28.003, 204.931



0, 0.000, 0.000

Inverse Universe

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



30, 63.884, 330.082



39, 80.330, 330.440



37, 45.363, 68.231



25, 4.921, 326.359



29, 66.400, 330.387



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 27.288, 204.236 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, 27.288, 204.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

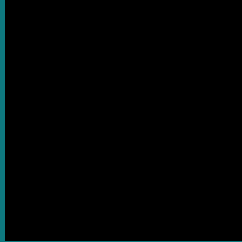
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.288, 204.236

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.288, 204.236.



This preview shows how white text looks on a background with the CIELCh color 46, 27.288, 204.236.

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, 27.288, 204.236

Protanopia

46, 5.957, 287.224

Deuteranopia

46, 14.337, 295.141



Tritanopia
46, 26.505, 209.917

Trichromacy



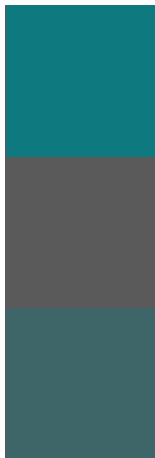
Original Color
46, 27.288, 204.236

Protanomaly
45, 14.738, 217.002

Deuteranomaly
45, 16.218, 240.196

Tritanomaly
46, 26.701, 208.455

Monochromacy



Original Color
46, 27.288, 204.236

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 14.266, 202.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.288, 204.236 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(14, 121, 127)` looks like.

```
.text, #text, p{  
    color:rgb(14, 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(14, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 121, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.288, 204.236 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(14, 121, 127) }
```

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

```
.border{ border-color:rgb(14, 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(14, 121, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(14, 121,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.288, 204.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 121, 127) }
```

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

```
.background{ background-color: rgb(14, 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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