

Converting Colors

CIELCh(46, 26.804, 204.898)

Have a look what the booklet for
CIELCh(46, 26.804, 204.898)
contains.

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Color

CIELCh(46, 26.894, 204.385)

Conversions

Conversions Part 1

Format	Color
Hex	12797F
RGB	18, 121, 127
RGB Percent	7%, 47%, 50%
CMY	0.9277, 0.5265, 0.5030
CMYK	0.85, 0.05, 0.00, 0.50
HSL	183°, 75%, 28%
HSV	183°, 85%, 50%
XYZ	10.8765, 15.2687, 22.3624
YIQ	90.8870, -63.3140, -19.9700

Conversions

Conversions Part 2

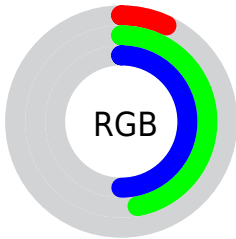
Format	Color
RYB	18, 71, 127
Decimal	1210751
CIELab	46.00, -24.49, -11.10
CIELCh	46, 26.894, 204.385
Yxy	15.2687, 0.2242, 0.3148
Android (android.graphics.Color)	4279400831 (0xFF12797F)
YUV	90.8870, 17.8037, -63.9219
Hunter-Lab	39.0751, -18.6965, -6.5786

Details

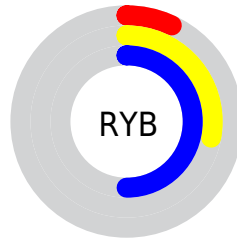
The CIELCh color **46, 26.894, 204.385** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 52.785, 36.330**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.062, 204.398**, and **27, 19.437, 208.378** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.555, 205.035**, and if you desaturate by 10%, it is **46, 25.703, 203.896**.

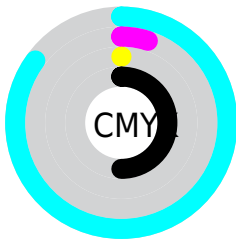
Distribution



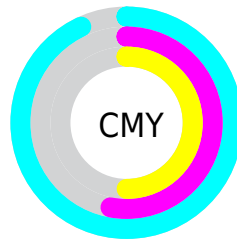
- Red (7%)
- Green (47%)
- Blue (50%)



- Red (7%)
- Yellow (28%)
- Blue (50%)



- Cyan (85%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (93%)
- Magenta (53%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.894, 204.385 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, 26.894, 204.385 by changing the saturation by 10% instead.

 46, 26.894,
204.385


 46, 26.894,
204.385


 100, 26.894,
204.385


 36, 26.894,
204.385

 66, 26.894,
204.385


 26, 26.894,
204.385

 76, 26.894,
204.385

 16, 26.894,
204.385

 86, 26.894,
204.385

 6, 26.894, 204.385

 96, 26.894,
204.385

 0, 26.894, 204.385

 46, 26.894,

 46, 26.894,

204.385

■ 46, 27.555,
205.035

■ 45, 27.808,
205.342

204.385

■ 46, 25.703,
203.896

■ 47, 23.920,
203.571

■ 48, 21.547,
203.394

■ 48, 18.619,
203.348

■ 49, 15.188,
203.418

■ 50, 11.321,
203.587

■ 51, 7.089, 203.848

■ 52, 2.563, 204.253

Harmonies

Complementary

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



46, 26.894, 204.385



27, 52.785, 36.330

Rectangle

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



46, 26.894, 204.385



46, 26.894, 254.385



46, 26.894, 24.385



46, 26.894, 74.385

Sweetspot

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



46, 26.894, 204.384



64, 14.348, 203.562



46, 65.578, 137.782



33, 9.701, 203.507



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, 26.894, 204.384



59, 33.769, 205.575



29, 38.953, 281.420



26, 2.644, 204.072



46, 27.927, 205.348



0, 0.000, 0.000

Inverse Universe

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



30, 62.670, 330.060



39, 80.180, 330.546



38, 43.731, 68.978



25, 4.913, 326.427



29, 66.280, 330.490



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 26.894, 204.385 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, 26.894, 204.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

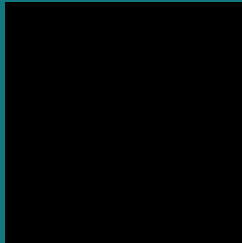
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.894, 204.385

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.894, 204.385.

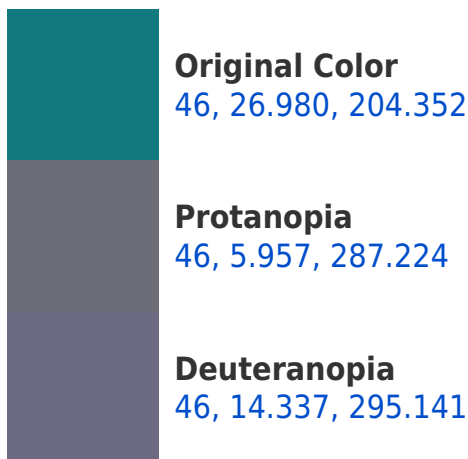


This preview shows how white text looks on a background with the CIELCh color 46, 26.894, 204.385.

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](#).

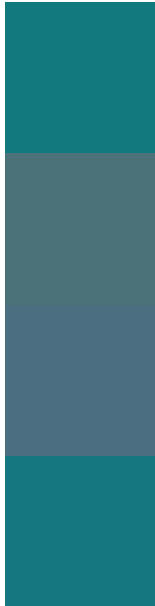
Dichromacy





Tritanopia
46, 26.139, 210.138

Trichromacy



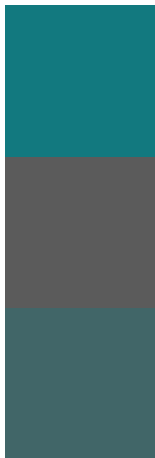
Original Color
46, 26.980, 204.352

Protanomaly
45, 14.165, 217.857

Deuteranomaly
45, 16.000, 240.916

Tritanomaly
46, 26.358, 208.641

Monochromacy



Original Color
46, 26.980, 204.352

Achromatopsia
39, 0.005, 296.813

Achromatomaly
41, 13.643, 202.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.894, 204.385 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(18, 121, 127)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 121, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.894, 204.385 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(18, 121, 127) }
```

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

```
.border{ border-color:rgb(18, 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(18, 121, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(18, 121,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.894, 204.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 121, 127) }
```

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

```
.background{ background-color: rgb(18, 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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