

Converting Colors

CIELCh(46, 26.596, 197.920)

Have a look what the booklet for
CIELCh(46, 26.596, 197.920)
contains.

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Color

CIELCh(46, 26.596, 197.920)

Conversions

Conversions Part 1

Format	Color
Hex	1B797A
RGB	27, 121, 122
RGB Percent	11%, 47%, 48%
CMY	0.8950, 0.5261, 0.5222
CMYK	0.78, 0.01, 0.00, 0.52
HSL	181°, 64%, 29%
HSV	181°, 78%, 48%
XYZ	10.7678, 15.2687, 20.7428
YIQ	93.0080, -56.3450, -19.6170

Conversions

Conversions Part 2

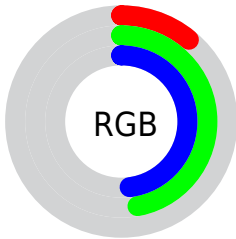
Format	Color
R_{YB}	27, 74, 122
Decimal	1800570
CIE _{Lab}	46.00, -25.31, -8.18
CIE _{LCh}	46, 26.596, 197.920
Yxy	15.2687, 0.2302, 0.3264
Android (android.graphics.Color)	4279990650 (0xFF1B797A)
YUV	93.0080, 14.2931, -57.8890
Hunter-Lab	39.0751, -19.1928, -4.1212

Details

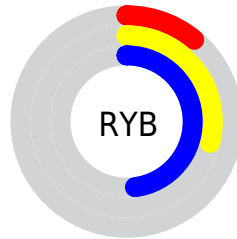
The CIELCh color **46, 26.596, 197.920** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 47.456, 32.426**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 26.817, 197.226**, and **27, 19.962, 198.321** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.744, 197.911**, and if you desaturate by 10%, it is **46, 24.876, 198.002**.

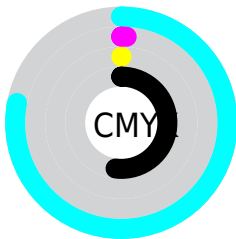
Distribution



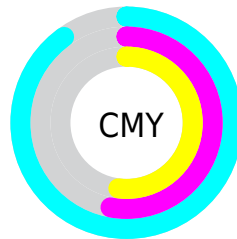
- Red (11%)
- Green (47%)
- Blue (48%)



- Red (11%)
- Yellow (29%)
- Blue (48%)



- Cyan (78%)
- Magenta (1%)
- Yellow (0%)
- Black (52%)





- Cyan (90%)
- Magenta (53%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.596, 197.920 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, 26.596, 197.920 by changing the saturation by 10% instead.


 46, 26.596,
197.920


 46, 26.596,
197.920


 100, 26.596,
197.920


 36, 26.596,
197.920

 66, 26.596,
197.920


 26, 26.596,
197.920

 76, 26.596,
197.920

 16, 26.596,
197.920

 86, 26.596,
197.920

 6, 26.596, 197.920

 96, 26.596,
197.920

 0, 26.596, 197.920

 46, 26.596,

 46, 26.596,

197.920

197.920

■ 46, 27.744,
197.911

■ 46, 24.876,
198.002

■ 46, 28.464,
197.960

■ 47, 22.576,
198.162

■ 46, 28.599,
197.969

■ 47, 19.718,
198.394

■ 48, 16.348,
198.695

■ 49, 12.526,
199.060

■ 49, 8.321, 199.486

■ 50, 3.806, 199.998

■ 51, 0.951, 19.987

■ 52, 5.889, 20.850

Harmonies

Complementary

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



46, 26.596, 197.920



27, 47.456, 32.426

Rectangle

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



46, 26.596, 197.920



46, 26.596, 247.920



46, 26.596, 17.920



46, 26.596, 67.920

Sweetspot

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



46, 26.596, 197.919



62, 12.911, 199.243



45, 61.675, 137.618



32, 8.800, 199.120



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 26.596, 197.919



58, 34.185, 197.958



31, 31.688, 273.363



25, 2.671, 199.938



47, 29.119, 197.974



90, 48.980, 198.060

Inverse Universe

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



30, 59.935, 328.241



38, 78.976, 328.576



36, 38.844, 65.769



24, 4.895, 325.175



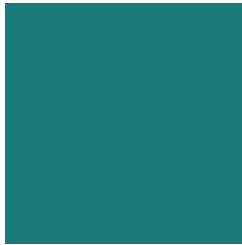
29, 67.592, 328.640



60, 113.732, 328.662

Previews

White Background



This preview shows how the CIELCh color 46, 26.596, 197.920 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, 26.596, 197.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

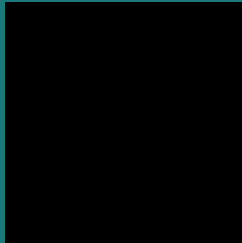
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.596, 197.920

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.596, 197.920.

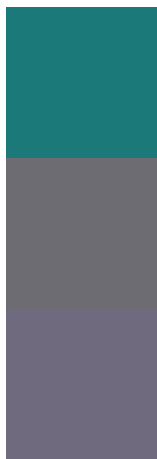


This preview shows how white text looks on a background with the CIELCh color 46, 26.596, 197.920.

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, 26.596, 197.920

Protanopia

46, 3.600, 297.072

Deuteranopia

46, 11.516, 301.366



Tritanopia
46, 24.986, 209.428

Trichromacy



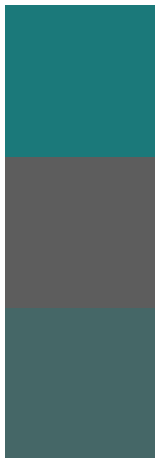
Original Color
46, 26.596, 197.920

Protanomaly
45, 12.625, 209.035

Deuteranomaly
45, 13.258, 234.470

Tritanomaly
46, 25.383, 204.988

Monochromacy



Original Color
46, 26.596, 197.920

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 12.781, 197.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.596, 197.920 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(27, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(27, 121, 122)  
}
```

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(27, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 121, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.596, 197.920 is called "border". The border property can be set on classes, ids or directly on the HTML element.

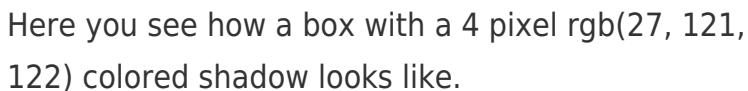
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(27, 121, 122) }
```

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

```
.border{ border-color:rgb(27, 121, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(27, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(27, 121,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.596, 197.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 121, 122) }
```

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

```
.background{ background-color: rgb(27, 121,  
122) }
```

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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