

Converting Colors

CIELCh(46, 28.074, 196.430)

Have a look what the booklet for
CIELCh(46, 28.074, 196.430)
contains.

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Color

CIELCh(46, 28.007, 196.472)

Conversions

Conversions Part 1

Format	Color
Hex	0F7979
RGB	15, 121, 121
RGB Percent	6%, 47%, 47%
CMY	0.9411, 0.5238, 0.5239
CMYK	0.88, 0.00, 0.00, 0.52
HSL	180°, 78%, 27%
HSV	180°, 88%, 48%
XYZ	10.5620, 15.2687, 20.6122
YIQ	89.3060, -63.1760, -22.4720

Conversions

Conversions Part 2

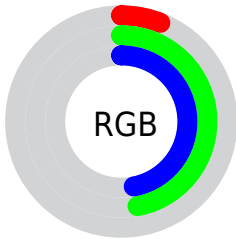
Format	Color
R_{YB}	15, 68, 121
Decimal	1014137
CIE _{Lab}	46.00, -26.86, -7.94
CIE _{LCh}	46, 28.007, 196.472
Yxy	15.2687, 0.2274, 0.3288
Android (android.graphics.Color)	4279204217 (0xFF0F7979)
YUV	89.3060, 15.6251, -65.1664
Hunter-Lab	39.0751, -20.1332, -3.9230

Details

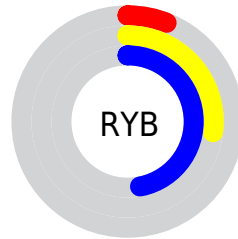
The CIELCh color **46, 28.007, 196.472** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 53.251, 35.283**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 28.069, 195.977**, and **27, 19.962, 198.321** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.771, 196.394**, and if you desaturate by 10%, it is **46, 26.800, 196.592**.

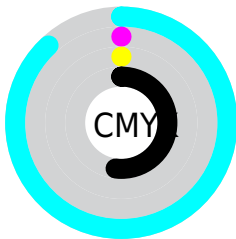
Distribution



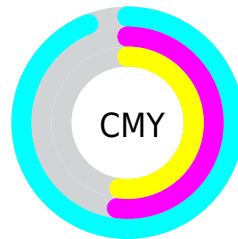
- Red (6%)
- Green (47%)
- Blue (47%)



- Red (6%)
- Yellow (27%)
- Blue (47%)



- Cyan (88%)
- Magenta (0%)
- Yellow (0%)
- Black (52%)



- Cyan (94%)
- Magenta (52%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 28.007, 196.472 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, 28.007, 196.472 by changing the saturation by 10% instead.

 46, 28.007,
196.472


 46, 28.007,
196.472


 100, 28.007,
196.472

 36, 28.007,
196.472

 66, 28.007,
196.472


 26, 28.007,
196.472

 76, 28.007,
196.472

 16, 28.007,
196.472

 86, 28.007,
196.472

 6, 28.007, 196.472

 96, 28.007,
196.472

 0, 28.007, 196.472

 46, 28.007,

 46, 28.007,

196.472

196.472

■ 46, 28.771,
196.394

■ 46, 26.800,
196.592

■ 46, 28.944,
196.377

■ 46, 25.024,
196.771

■ 47, 22.669,
197.010

■ 47, 19.757,
197.310

■ 48, 16.334,
197.668

■ 49, 12.460,
198.083

■ 49, 8.206, 198.553

■ 50, 3.643, 199.106

Harmonies

Complementary

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



46, 28.007, 196.472



25, 53.251, 35.283

Rectangle

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



46, 28.007, 196.472



46, 28.007, 246.472



46, 28.007, 16.472



46, 28.007, 66.472

Sweetspot

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



46, 28.007, 196.471



62, 14.606, 198.126



44, 65.441, 136.665



32, 9.753, 198.006



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, 28.007, 196.471



59, 35.061, 196.377



29, 34.271, 275.404



25, 2.700, 199.015



47, 29.546, 196.377



90, 49.737, 196.377

Inverse Universe

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



25, 53.251, 35.283



32, 72.800, 39.662



34, 43.509, 62.736



24, 2.851, 19.864



25, 60.074, 38.171



53, 103.779, 39.998

Previews

White Background



This preview shows how the CIELCh color 46, 28.007, 196.472 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, 28.007, 196.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

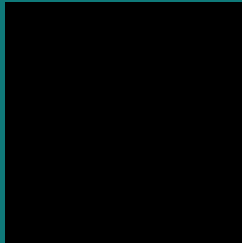
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.007, 196.472

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.007, 196.472.

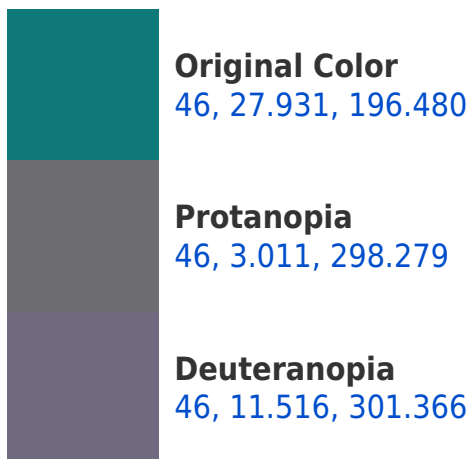



This preview shows how white text looks on a background with the CIELCh color 46, 28.007, 196.472.

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, 25.827, 210.330

Trichromacy



Original Color
46, 27.931, 196.480

Protanomaly
45, 13.874, 205.376

Deuteranomaly
45, 14.304, 228.460

Tritanomaly
46, 26.616, 204.492

Monochromacy



Original Color
46, 27.931, 196.480

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 14.084, 197.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.007, 196.472 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, 121)` looks like.

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

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, 121) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 46, 28.007, 196.472 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, 121) }
```

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

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

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, 121) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 46, 28.007, 196.472 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, 121) }
```

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

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

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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