

Converting Colors

CIELCh(46, 28.139, 204.205)

Have a look what the booklet for
CIELCh(46, 28.139, 204.205)
contains.

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Color

CIELCh(46, 28.112, 203.934)

Conversions

Conversions Part 1

Format	Color
Hex	01797F
RGB	1, 121, 127
RGB Percent	0%, 47%, 50%
CMY	0.9974, 0.5246, 0.5011
CMYK	0.99, 0.05, 0.00, 0.50
HSL	183°, 99%, 25%
HSV	183°, 99%, 50%
XYZ	10.7160, 15.2687, 22.5339
YIQ	85.8040, -73.4460, -23.5740

Conversions

Conversions Part 2

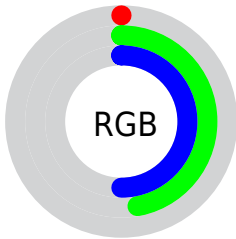
Format	Color
RYB	1, 62, 127
Decimal	96639
CIELab	46.00, -25.69, -11.40
CIELCh	46, 28.112, 203.934
Yxy	15.2687, 0.2209, 0.3147
Android (android.graphics.Color)	4278286719 (0xFF01797F)
YUV	85.8040, 20.3096, -74.3731
Hunter-Lab	39.0751, -19.4297, -6.8389

Details

The CIELCh color **46, 28.112, 203.934** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 60.106, 39.171**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 28.128, 204.048**, and **27, 19.437, 208.378** is the 20% darker color. If you saturate the color by 10%, you get **46, 28.141, 203.961**, and if you desaturate by 10%, it is **46, 27.530, 203.375**.

Distribution



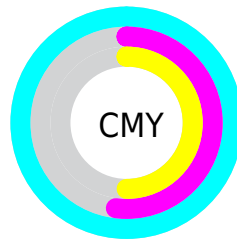
- Red (0%)
- Green (47%)
- Blue (50%)



- Red (0%)
- Yellow (24%)
- Blue (50%)



- Cyan (99%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (52%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 28.112, 203.934 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, 28.112, 203.934 by changing the saturation by 10% instead.


 46, 28.112,
203.934


 46, 28.112,
203.934


 100, 28.112,
203.934

 36, 28.112,
203.934

 66, 28.112,
203.934


 26, 28.112,
203.934


 76, 28.112,
203.934

 16, 28.112,
203.934

 86, 28.112,
203.934

 6, 28.112, 203.934

 96, 28.112,
203.934

 0, 28.112, 203.934

 46, 28.112,

 46, 28.112,

203.934

■ 46, 28.141,
203.961

203.934

■ 46, 27.530,
203.375

■ 47, 26.552,
202.923

■ 47, 24.988,
202.622

■ 48, 22.825,
202.460

■ 48, 20.085,
202.423

■ 49, 16.813,
202.498

■ 50, 13.074,
202.671

■ 51, 8.936, 202.932

Harmonies

Complementary

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



46, 28.112, 203.934



26, 60.106, 39.171

Rectangle

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



46, 28.112, 203.934



46, 28.112, 253.934



46, 28.112, 23.934



46, 28.112, 73.934

Sweetspot

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



46, 28.111, 203.933



64, 16.438, 202.645



46, 70.665, 136.465



33, 11.147, 202.577



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, 28.111, 203.933



59, 34.087, 204.153



26, 44.360, 285.494



26, 2.664, 203.307



46, 28.186, 203.963



0, 0.000, 0.000

Inverse Universe

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



29, 66.469, 330.133



39, 80.682, 330.194



35, 49.802, 64.740



25, 4.940, 326.199



29, 66.685, 330.147



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 28.112, 203.934 looks on a white background.

Color Contrast Check

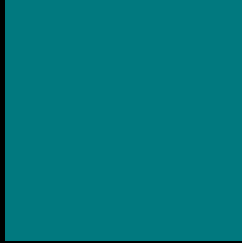
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.112, 203.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

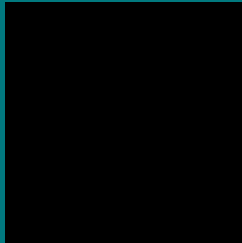
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.112, 203.934

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.112, 203.934.



This preview shows how white text looks on a background with the CIELCh color 46, 28.112, 203.934.

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, 28.054, 203.954

Protanopia

46, 6.545, 291.087

Deuteranopia

46, 14.930, 295.088



Tritanopia
46, 26.994, 209.623

Trichromacy



Original Color
46, 28.054, 203.954

Protanomaly
45, 15.954, 217.700

Deuteranomaly
45, 17.519, 236.315

Tritanomaly
46, 27.345, 208.111

Monochromacy



Original Color
46, 28.054, 203.954

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.745, 202.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.112, 203.934 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(1, 121, 127)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 121, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 121, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.112, 203.934 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(1, 121, 127) }
```

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

```
.border{ border-color:rgb(1, 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(1, 121, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 121, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 121, 127);  
box-shadow:4px 4px 4px 4px rgb(1, 121,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.112, 203.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 121, 127) }
```

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

```
.background{ background-color: rgb(1, 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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