

Converting Colors

CIELCh(46, 27.739, 220.218)

Have a look what the booklet for
CIELCh(46, 27.739, 220.218)
contains.

CIELCh(46, 27.755, 219.884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 27.755, 219.884)

Conversions

Conversions Part 1

Format	Color
Hex	01788A
RGB	1, 120, 138
RGB Percent	0%, 47%, 54%
CMY	0.9962, 0.5295, 0.4589
CMYK	0.99, 0.13, 0.00, 0.46
HSL	188°, 99%, 27%
HSV	188°, 99%, 54%
XYZ	11.3119, 15.2687, 26.3880
YIQ	86.4710, -76.7020, -19.6300

Conversions

Conversions Part 2

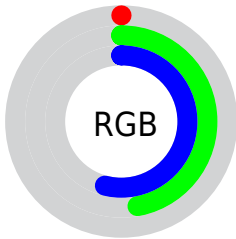
Format	Color
RYB	1, 65, 138
Decimal	96394
CIELab	46.00, -21.30, -17.80
CIElCh	46, 27.755, 219.884
Yxy	15.2687, 0.2136, 0.2883
Android (android.graphics.Color)	4278286474 (0xFF01788A)
YUV	86.4710, 25.4038, -74.9581
Hunter-Lab	39.0751, -16.7073, -12.6868

Details

The CIELCh color **46, 27.755, 219.884** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 62.958, 41.375**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.744, 218.743**, and **27, 20.080, 231.034** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.791, 220.026**, and if you desaturate by 10%, it is **47, 27.221, 217.829**.

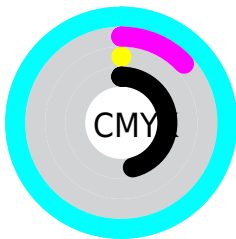
Distribution



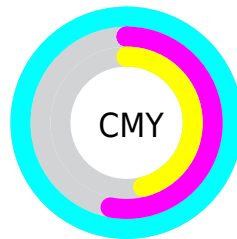
- Red (0%)
- Green (47%)
- Blue (54%)



- Red (0%)
- Yellow (25%)
- Blue (54%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (53%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 27.755, 219.884 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, 27.755, 219.884 by changing the saturation by 10% instead.

 46, 27.755,
219.884


 46, 27.755,
219.884


 100, 27.755,
219.884

 36, 27.755,
219.884

 66, 27.755,
219.884


 26, 27.755,
219.884

 76, 27.755,
219.884

 16, 27.755,
219.884

 86, 27.755,
219.884

 6, 27.755, 219.884

 96, 27.755,
219.884

 0, 27.755, 219.884

 46, 27.755,

 46, 27.755,

219.884

219.884

■ 46, 27.791,
220.026

■ 47, 27.221,
217.829

■ 48, 26.274,
216.084

■ 48, 24.738,
214.720

■ 49, 22.597,
213.686

■ 51, 19.876,
212.932

■ 52, 16.624,
212.412

■ 53, 12.905,
212.084

■ 54, 8.792, 211.918

Harmonies

Complementary

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



46, 27.755, 219.884



29, 62.958, 41.375

Rectangle

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



46, 27.755, 219.884



46, 27.755, 269.884



46, 27.755, 39.884



46, 27.755, 89.884

Sweetspot

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



46, 27.754, 219.883



67, 16.223, 212.118



50, 73.120, 137.471



34, 10.869, 212.225



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 27.754, 219.883



59, 33.535, 220.606



25, 55.147, 292.343



28, 2.640, 211.910



44, 27.007, 219.925



1, 1.254, 211.861

Inverse Universe

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



31, 66.080, 334.058



41, 79.803, 334.244



41, 52.026, 71.910



27, 4.970, 328.738



30, 64.340, 334.074



0, 2.293, 328.241

Previews

White Background



This preview shows how the CIELCh color 46, 27.755, 219.884 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, 27.755, 219.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

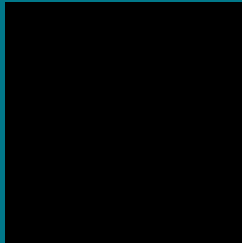
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.755, 219.884

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.755, 219.884.



This preview shows how white text looks on a background with the CIELCh color 46, 27.755, 219.884.

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, 27.755, 219.884

Protanopia

46, 12.543, 285.036

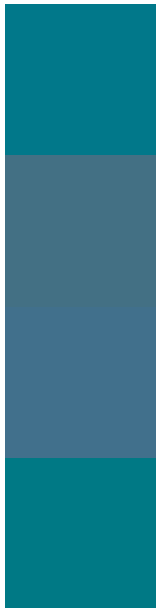
Deuteranopia

46, 20.251, 287.901



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 27.755, 219.884

Protanomaly
45, 18.524, 238.653

Deuteranomaly
45, 21.657, 249.328

Tritanomaly
46, 27.802, 211.772

Monochromacy



Original Color
46, 27.755, 219.884

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.488, 213.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.755, 219.884 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, 120, 138)` looks like.

```
.text, #text, p{  
    color:rgb(1, 120, 138)  
}
```

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, 120, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 120, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.755, 219.884 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, 120, 138) }
```

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

```
.border{ border-color:rgb(1, 120, 138) }
```

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

Here you see how a box with a 4 pixel rgb(1, 120, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 120, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 120, 138);  
box-shadow:4px 4px 4px 4px rgb(1, 120,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.755, 219.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 120, 138) }
```

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

```
.background{ background-color: rgb(1, 120,  
138) }
```

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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