

Converting Colors

CIELCh(45, 30.184, 217.439)

Have a look what the booklet for
CIELCh(45, 30.184, 217.439)
contains.

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Color

CIELCh(46, 27.585, 218.688)

Conversions

Conversions Part 1

Format	Color
Hex	037889
RGB	3, 120, 137
RGB Percent	1%, 47%, 54%
CMY	0.9871, 0.5293, 0.4626
CMYK	0.98, 0.12, 0.00, 0.46
HSL	188°, 95%, 28%
HSV	188°, 98%, 54%
XYZ	11.2796, 15.2687, 26.0375
YIQ	86.9550, -75.1890, -19.5170

Conversions

Conversions Part 2

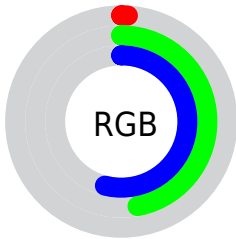
Format	Color
RYB	3, 65, 137
Decimal	227465
CIELab	46.00, -21.53, -17.24
CIELCh	46, 27.585, 218.688
Yxy	15.2687, 0.2145, 0.2904
Android (android.graphics.Color)	4278417545 (0xFF037889)
YUV	86.9550, 24.6722, -73.6285
Hunter-Lab	39.0751, -16.8548, -12.1549

Details

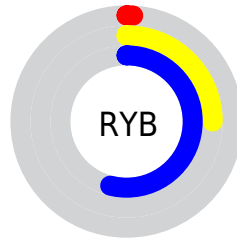
The CIELCh color **46, 27.585, 218.688** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 61.807, 40.976**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.661, 217.554**, and **27, 19.895, 229.094** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.708, 219.157**, and if you desaturate by 10%, it is **47, 27.025, 216.739**.

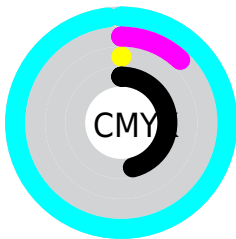
Distribution



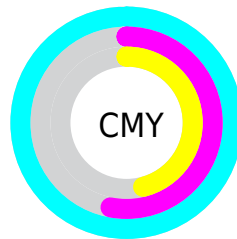
- Red (1%)
- Green (47%)
- Blue (54%)



- Red (1%)
- Yellow (25%)
- Blue (54%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (46%)



- Cyan (99%)
- Magenta (53%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 27.585, 218.688 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, 27.585, 218.688 by changing the saturation by 10% instead.

 46, 27.585,
218.688

 46, 27.585,
218.688

 100, 27.585,
218.688


 36, 27.585,
218.688

 66, 27.585,
218.688

 26, 27.585,
218.688

 76, 27.585,
218.688

 16, 27.585,
218.688

 86, 27.585,
218.688

 6, 27.585, 218.688

 96, 27.585,
218.688

 0, 27.585, 218.688

 46, 27.585,

 46, 27.585,

218.688

218.688

■ 46, 27.708,
219.157

■ 47, 27.025,
216.739

■ 47, 25.987,
215.132

■ 48, 24.355,
213.884

■ 49, 22.121,
212.948

■ 50, 19.314,
212.276

■ 52, 15.986,
211.822

■ 53, 12.206,
211.551

■ 54, 8.043, 211.433

Harmonies

Complementary

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



46, 27.585, 218.688



29, 61.807, 40.976

Rectangle

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



46, 27.585, 218.688



46, 27.585, 268.688



46, 27.585, 38.688



46, 27.585, 88.688

Sweetspot

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



46, 27.584, 218.687



67, 15.791, 211.593



49, 72.217, 137.621



34, 10.640, 211.686



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, 27.584, 218.687



59, 33.596, 219.732



25, 53.815, 291.742



28, 2.648, 211.454



44, 27.058, 219.077



1, 1.258, 211.423

Inverse Universe

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



31, 65.680, 333.746



41, 80.060, 334.026



41, 51.140, 72.259



27, 4.985, 328.605



30, 64.542, 333.864



0, 2.300, 328.110

Previews

White Background



This preview shows how the CIELCh color 46, 27.585, 218.688 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, 27.585, 218.688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

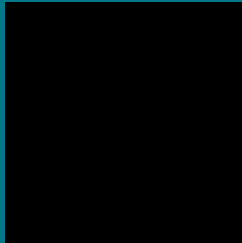
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 27.585, 218.688

Background



This preview shows how black text looks on a background with the CIELCh color 46, 27.585, 218.688.

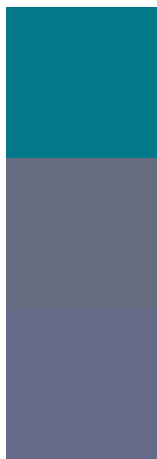


This preview shows how white text looks on a background with the CIELCh color 46, 27.585, 218.688.

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, 27.592, 218.658

Protanopia

46, 11.955, 284.590

Deuteranopia

46, 19.662, 287.653



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 27.592, 218.658

Protanomaly
45, 18.229, 236.957

Deuteranomaly
45, 21.114, 248.553

Tritanomaly
46, 27.748, 211.807

Monochromacy



Original Color
46, 27.592, 218.658

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.161, 211.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 27.585, 218.688 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(3, 120, 137)` looks like.

```
.text, #text, p{  
    color:rgb(3, 120, 137)  
}
```

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(3, 120, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 120, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 27.585, 218.688 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(3, 120, 137) }
```

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

```
.border{ border-color:rgb(3, 120, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 120, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 120, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 120, 137);  
box-shadow:4px 4px 4px 4px rgb(3, 120,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 27.585, 218.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 120, 137) }
```

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

```
.background{ background-color: rgb(3, 120,  
137) }
```

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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