

Converting Colors

CIELCh(44, 44.839, 209.759)

Have a look what the booklet for
CIELCh(44, 44.839, 209.759)
contains.

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Color

CIELCh(46, 28.035, 220.962)

Conversions

Conversions Part 1

Format	Color
Hex	00788B
RGB	0, 120, 139
RGB Percent	0%, 47%, 55%
CMY	1.0000, 0.5295, 0.4551
CMYK	1.00, 0.14, 0.00, 0.46
HSL	188°, 100%, 27%
HSV	188°, 100%, 54%
XYZ	11.3295, 15.2687, 26.7587
YIQ	86.2860, -77.6190, -19.5310

Conversions

Conversions Part 2

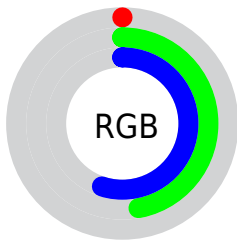
Format	Color
RYB	0, 64, 139
Decimal	30859
CIELab	46.00, -21.17, -18.38
CIELCh	46, 28.035, 220.962
Yxy	15.2687, 0.2123, 0.2862
Android (android.graphics.Color)	4278220939 (0xFF00788B)
YUV	86.2860, 25.9880, -75.6728
Hunter-Lab	39.0751, -16.6271, -13.2492

Details

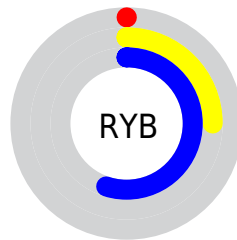
The CIELCh color **46, 28.035, 220.962** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 63.593, 41.650**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 27.942, 221.100**, and **27, 20.286, 232.939** is the 20% darker color. If you saturate the color by 10%, you get **46, 27.874, 221.122**, and if you desaturate by 10%, it is **47, 27.340, 218.957**.

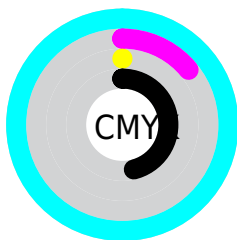
Distribution



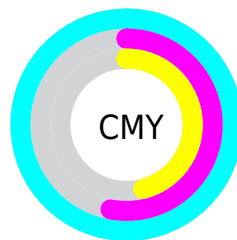
- Red (0%)
- Green (47%)
- Blue (55%)



- Red (0%)
- Yellow (25%)
- Blue (55%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (46%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 28.035, 220.962 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, 28.035, 220.962 by changing the saturation by 10% instead.

 46, 28.035,
220.962


 46, 28.035,
220.962


 100, 28.035,
220.962

 36, 28.035,
220.962

 66, 28.035,
220.962


 26, 28.035,
220.962

 76, 28.035,
220.962

 16, 28.035,
220.962

 86, 28.035,
220.962

 6, 28.035, 220.962

 96, 28.035,
220.962

 0, 28.035, 220.962

 46, 28.035,

 46, 28.035,

220.962

■ 46, 27.874,
221.122

220.962

■ 47, 27.340,
218.957

■ 48, 26.424,
217.092

■ 48, 24.921,
215.627

■ 50, 22.815,
214.510

■ 51, 20.125,
213.688

■ 52, 16.900,
213.110

■ 53, 13.204,
212.735

■ 55, 9.108, 212.529

Harmonies

Complementary

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



46, 28.035, 220.962



29, 63.593, 41.650

Rectangle

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



46, 28.035, 220.962



46, 28.035, 270.962



46, 28.035, 40.962



46, 28.035, 90.962

Sweetspot

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



46, 27.874, 221.122



68, 16.347, 212.754



50, 73.260, 137.672



35, 11.078, 212.877



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



46, 27.874, 221.122



59, 33.822, 221.740



24, 57.521, 293.704



28, 2.630, 212.485



44, 26.950, 220.998



1, 1.249, 212.416

Inverse Universe

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



31, 66.270, 334.372



42, 80.314, 334.527



42, 52.521, 73.286



27, 4.952, 328.905



30, 64.087, 334.341



0, 2.285, 328.407

Previews

White Background



This preview shows how the CIE LCh color 46, 28.035, 220.962 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, 28.035, 220.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

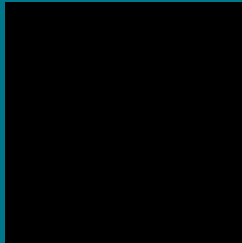
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.035, 220.962

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.035, 220.962.

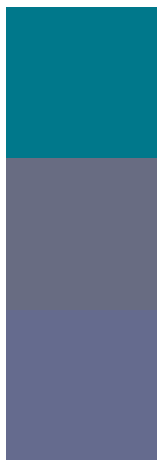


This preview shows how white text looks on a background with the CIELCh color 46, 28.035, 220.962.

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, 27.880, 221.146

Protanopia

46, 13.132, 285.450

Deuteranopia

46, 20.863, 287.192



Tritanopia
46, 27.853, 209.141

Trichromacy



Original Color
46, 27.880, 221.146

Protanomaly
45, 19.029, 239.753

Deuteranomaly
45, 22.199, 250.081

Tritanomaly
46, 27.795, 213.091

Monochromacy



Original Color
46, 27.880, 221.146

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, 28.035, 220.962 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(0, 120, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 139)  
}
```

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(0, 120, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.035, 220.962 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(0, 120, 139) }
```

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

```
.border{ border-color:rgb(0, 120, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.035, 220.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 139) }
```

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

```
.background{ background-color: rgb(0, 120,  
139) }
```

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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