

Converting Colors

CIELCh(46, 18.130, 216.977)

Have a look what the booklet for
CIELCh(46, 18.130, 216.977)
contains.

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Color

CIELCh(46, 18.129, 216.977)

Conversions

Conversions Part 1

Format	Color
Hex	41757F
RGB	65, 117, 127
RGB Percent	25%, 46%, 50%
CMY	0.7466, 0.5426, 0.5034
CMYK	0.49, 0.08, 0.00, 0.50
HSL	190°, 32%, 37%
HSV	190°, 49%, 50%
XYZ	12.2785, 15.2687, 22.2494
YIQ	102.5920, -34.2020, -7.9140

Conversions

Conversions Part 2

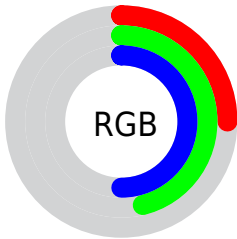
Format	Color
R_{YB}	65, 93, 127
Decimal	4289919
CIE _{Lab}	46.00, -14.48, -10.90
CIE _{LCh}	46, 18.129, 216.977
Yxy	15.2687, 0.2466, 0.3066
Android (android.graphics.Color)	4282479999 (0xFF41757F)
YUV	102.5920, 12.0331, -32.9682
Hunter-Lab	39.0751, -12.2917, -6.4071




Details

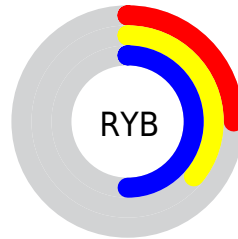
The CIELCh color **46, 18.129, 216.977** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 25.941, 36.351**, and the grayscale version is **43, 0.006, 296.813**.




A 20% lighter version of the original color is **66, 18.166, 217.832**, and **26, 18.179, 216.041** is the 20% darker color. If you saturate the color by 10%, you get **45, 20.682, 217.979**, and if you desaturate by 10%, it is **47, 15.107, 216.243**.

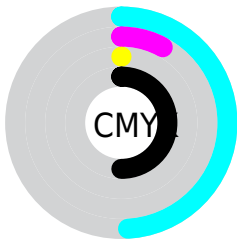
Distribution







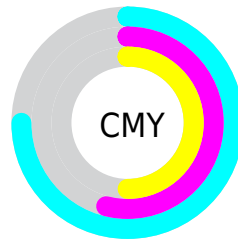
-  Red (25%)
-  Green (46%)
-  Blue (50%)






-  Red (25%)
-  Yellow (36%)
-  Blue (50%)



-  Cyan (49%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (50%)





-  Cyan (75%)
-  Magenta (54%)
-  Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.129, 216.977 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, 18.129, 216.977 by changing the saturation by 10% instead.


 46, 18.129,
216.977


 46, 18.129,
216.977


 100, 18.129,
216.977


 36, 18.129,
216.977

 66, 18.129,
216.977


 26, 18.129,
216.977

 76, 18.129,
216.977

 16, 18.129,
216.977


 86, 18.129,
216.977

 6, 18.129, 216.977

 96, 18.129,
216.977

 0, 18.129, 216.977

 46, 18.129,

 46, 18.129,

216.977

■ 45, 20.682,
217.979

■ 44, 22.723,
219.311

■ 43, 24.231,
221.034

■ 42, 25.217,
223.209

■ 41, 25.855,
225.731

■ 41, 25.923,
225.988

216.977

■ 47, 15.107,
216.243

■ 49, 11.676,
215.733

■ 50, 7.898, 215.409

■ 52, 3.836, 215.262

■ 53, 0.451, 34.197

■ 55, 4.913, 34.987

■ 57, 9.506, 35.089

■ 58, 14.192, 35.218

■ 60, 18.942, 35.377

Harmonies

Complementary

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



46, 18.129, 216.977



38, 25.941, 36.351

Rectangle

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



46, 18.129, 216.977



46, 18.129, 266.977



46, 18.129, 36.977



46, 18.129, 86.977

Sweetspot

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



46, 18.129, 216.975



65, 7.866, 215.333



48, 39.300, 144.836



34, 5.381, 215.368



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, 18.129, 216.975



58, 25.571, 218.151



37, 25.551, 278.240



26, 2.424, 215.262



41, 26.052, 226.011



0, 0.000, 0.000

Inverse Universe

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



37, 38.890, 332.163



45, 56.765, 332.888



46, 25.979, 83.524



25, 4.564, 329.706



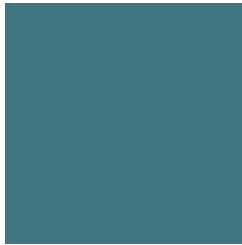
28, 61.186, 335.608



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 18.129, 216.977 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, 18.129, 216.977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

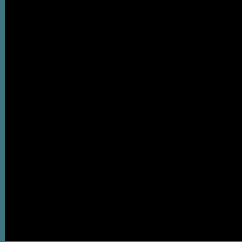
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

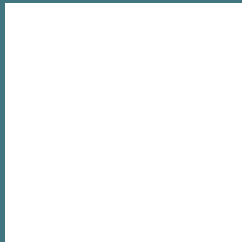
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 18.129, 216.977

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.129, 216.977.

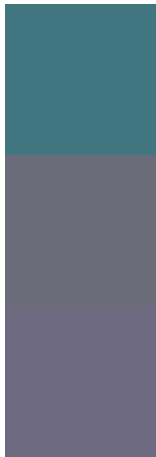


This preview shows how white text looks on a background with the CIELCh color 46, 18.129, 216.977.

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, 18.129, 216.977

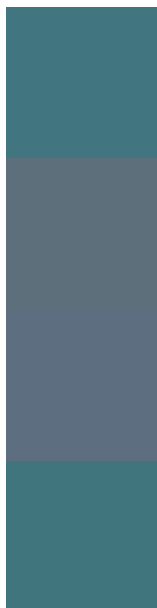
Protanopia
46, 7.736, 288.369

Deuteranopia
46, 13.774, 296.776



Tritanopia
46, 18.297, 214.772

Trichromacy



Original Color
46, 18.129, 216.977

Protanomaly
46, 9.878, 245.383

Deuteranomaly
46, 12.191, 260.972

Tritanomaly
46, 18.297, 214.772

Monochromacy



Original Color
46, 18.129, 216.977

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 7.650, 216.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.129, 216.977 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(65, 117, 127)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 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(65, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.129, 216.977 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(65, 117, 127) }
```

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

```
.border{ border-color:rgb(65, 117, 127) }
```

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

Here you see how a box with a 4 pixel rgb(65, 117, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.129, 216.977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 127) }
```

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

```
.background{ background-color: rgb(65, 117,  
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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