

Converting Colors

CIELCh(46, 18.278, 175.442)

Have a look what the booklet for
CIELCh(46, 18.278, 175.442)
contains.

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Color

CIELCh(46, 17.966, 175.972)

Conversions

Conversions Part 1

Format	Color
Hex	49756A
RGB	73, 117, 106
RGB Percent	29%, 46%, 42%
CMY	0.7126, 0.5400, 0.5831
CMYK	0.38, 0.00, 0.09, 0.54
HSL	165°, 23%, 37%
HSV	165°, 38%, 46%
XYZ	11.7842, 15.2687, 16.0431
YIQ	102.5900, -22.6930, -12.7490

Conversions

Conversions Part 2

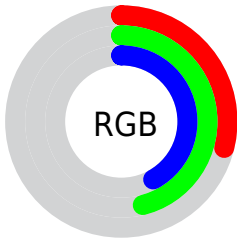
Format	Color
R_{YB}	73, 98, 117
Decimal	4814186
CIE _{Lab}	46.00, -17.92, 1.26
CIE _{LCh}	46, 17.966, 175.972
Yxy	15.2687, 0.2734, 0.3543
Android (android.graphics.Color)	4283004266 (0xFF49756A)
YUV	102.5900, 1.6811, -25.9504
Hunter-Lab	39.0751, -14.5500, 3.0099

Details

The CIELCh color $46, 17.966, 175.972$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 20.419, 3.738$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 17.735, 175.795$, and $26, 17.741, 177.005$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.165, 174.847$, and if you desaturate by 10%, it is $47, 13.451, 177.011$.

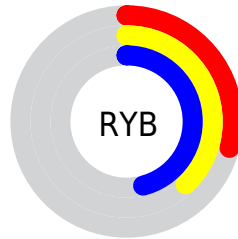
Distribution



Red (29%)

Green (46%)

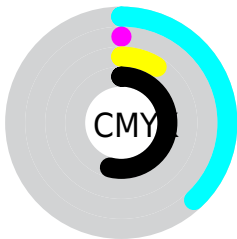
Blue (42%)



Red (29%)

Yellow (38%)

Blue (46%)

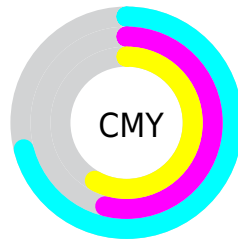


Cyan (38%)

Magenta (0%)

Yellow (9%)

Black (54%)



Cyan (71%)


Magenta (54%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 17.966, 175.972 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, 17.966, 175.972 by changing the saturation by 10% instead.


 46, 17.966,
175.972


 46, 17.966,
175.972


 100, 17.966,
175.972


 36, 17.966,
175.972

 66, 17.966,
175.972


 26, 17.966,
175.972

 76, 17.966,
175.972

 16, 17.966,
175.972


 86, 17.966,
175.972

 6, 17.966, 175.972

 96, 17.966,
175.972

 0, 17.966, 175.972

 46, 17.966,

 46, 17.966,

175.972

175.972

■ 45, 22.165,
174.847

■ 47, 13.451,
177.011

■ 45, 25.971,
173.622

■ 48, 8.694, 177.989

■ 44, 29.318,
172.273

■ 49, 3.769, 178.945

■ 50, 1.259, 359.449

■ 44, 32.163,
170.781

■ 51, 6.336, 0.479

■ 44, 34.489,
169.126

■ 52, 11.418, 1.284

■ 53, 16.470, 2.044

■ 44, 36.415,
167.365

■ 55, 21.466, 2.771

■ 44, 36.891,
166.950

■ 56, 26.388, 3.470

Harmonies

Complementary

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



46, 17.966, 175.972



36, 20.419, 3.738

Rectangle

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



46, 17.966, 175.972



46, 17.966, 225.972



46, 17.966, 355.972



46, 17.966, 45.972

Sweetspot

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



46, 17.967, 175.970



62, 6.835, 178.581



46, 29.183, 134.973



32, 4.561, 178.484



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 17.967, 175.970



58, 26.197, 175.006



43, 13.353, 225.945



24, 2.819, 178.796



45, 38.083, 166.852



88, 65.681, 165.648

Inverse Universe

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



36, 20.419, 3.738



44, 30.722, 5.176



39, 17.076, 42.612



23, 2.903, 0.251



25, 51.555, 23.231



53, 89.446, 26.622

Previews

White Background



This preview shows how the CIELCh color 46, 17.966, 175.972 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 CIE LCh color 46, 17.966, 175.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

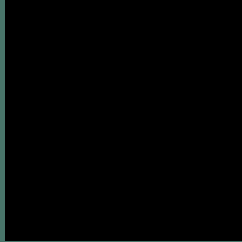
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

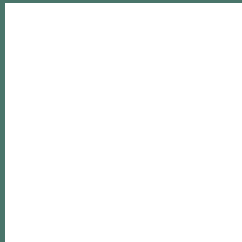
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 17.966, 175.972

Background



This preview shows how black text looks on a background with the CIELCh color 46, 17.966, 175.972.



This preview shows how white text looks on a background with the CIELCh color 46, 17.966, 175.972.

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, 17.966, 175.972

Protanopia

46, 4.466, 87.421

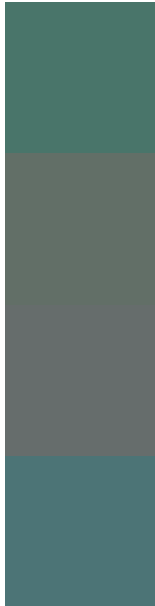
Deuteranopia

46, 6.277, 357.988



Tritanopia
46, 14.002, 220.722

Trichromacy



Original Color
46, 17.966, 175.972

Protanomaly
46, 7.173, 157.108

Deuteranomaly
45, 2.898, 187.316

Tritanomaly
46, 14.500, 202.583

Monochromacy



Original Color
46, 17.966, 175.972

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 6.894, 178.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 17.966, 175.972 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(73, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(73, 117, 106)  
}
```

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(73, 117, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 117, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 17.966, 175.972 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(73, 117, 106) }
```

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

```
.border{ border-color:rgb(73, 117, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 117, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 117, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 117, 106); box-shadow:4px 4px 4px 4px rgb(73, 117, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 17.966, 175.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 117, 106) }
```

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

```
.background{ background-color: rgb(73, 117,  
106) }
```

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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