

Converting Colors

CIELCh(46, 18.550, 176.644)

Have a look what the booklet for
CIELCh(46, 18.550, 176.644)
contains.

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Color

CIELCh(46, 18.550, 176.644)

Conversions

Conversions Part 1

Format	Color
Hex	48766B
RGB	72, 118, 107
RGB Percent	28%, 46%, 42%
CMY	0.7193, 0.5390, 0.5821
CMYK	0.39, 0.00, 0.09, 0.54
HSL	166°, 24%, 37%
HSV	166°, 39%, 46%
XYZ	11.6998, 15.2687, 16.1235
YIQ	102.9920, -23.8850, -13.1730

Conversions

Conversions Part 2

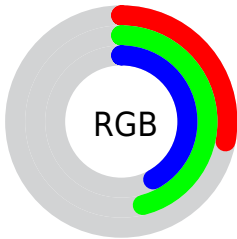
Format	Color
R_{YB}	72, 98, 118
Decimal	4748907
CIE _{Lab}	46.00, -18.52, 1.09
CIE _{LCh}	46, 18.550, 176.644
Yxy	15.2687, 0.2715, 0.3543
Android (android.graphics.Color)	4282938987 (0xFF48766B)
YUV	102.9920, 1.9759, -27.1800
Hunter-Lab	39.0751, -14.9355, 2.8879

Details

The CIELCh color **46, 18.550, 176.644** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 21.319, 4.814**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.333, 176.518**, and **26, 18.214, 177.525** is the 20% darker color. If you saturate the color by 10%, you get **45, 22.648, 175.518**, and if you desaturate by 10%, it is **47, 14.118, 177.684**.

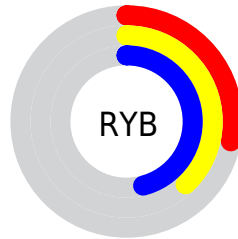
Distribution



Red (28%)

Green (46%)

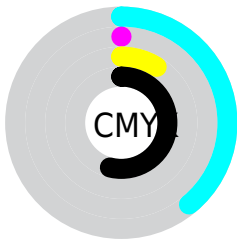
Blue (42%)



Red (28%)

Yellow (38%)

Blue (46%)

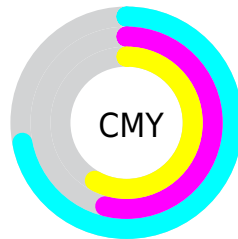


Cyan (39%)

Magenta (0%)

Yellow (9%)

Black (54%)



Cyan (72%)

Magenta (54%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 18.550, 176.644 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, 18.550, 176.644 by changing the saturation by 10% instead.


 46, 18.550,
176.644


 46, 18.550,
176.644


 100, 18.550,
176.644


 36, 18.550,
176.644

 66, 18.550,
176.644


 26, 18.550,
176.644

 76, 18.550,
176.644

 16, 18.550,
176.644

 86, 18.550,
176.644

 6, 18.550, 176.644

 96, 18.550,
176.644

 0, 18.550, 176.644

 46, 18.550,

 46, 18.550,

176.644

176.644

■ 45, 22.648,
175.518

■ 47, 14.118,
177.684

■ 45, 26.335,
174.293

■ 48, 9.426, 178.662

■ 44, 29.551,
172.946

■ 49, 4.549, 179.610

■ 50, 0.447, 359.642

■ 44, 32.256,
171.456

■ 51, 5.505, 1.158

■ 44, 34.440,
169.804

■ 52, 10.580, 1.975

■ 53, 15.633, 2.742

■ 44, 36.283,
168.085

■ 55, 20.639, 3.476

■ 44, 36.447,
167.941

■ 56, 25.577, 4.182

Harmonies

Complementary

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



46, 18.550, 176.644



36, 21.319, 4.814

Rectangle

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



46, 18.550, 176.644



46, 18.550, 226.644



46, 18.550, 356.644



46, 18.550, 46.644

Sweetspot

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



46, 18.551, 176.642



62, 7.405, 179.307



46, 30.617, 135.363



32, 4.877, 179.218



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, 18.551, 176.642



58, 26.966, 175.627



43, 13.827, 228.484



24, 2.803, 179.618



45, 37.561, 167.850



88, 64.732, 166.668

Inverse Universe

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



36, 21.319, 4.814



44, 32.076, 6.391



39, 17.808, 44.290



23, 2.889, 1.066



25, 51.860, 24.165



53, 90.078, 27.538

Previews

White Background



This preview shows how the CIELCh color 46, 18.550, 176.644 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, 18.550, 176.644 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, 18.550, 176.644

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.550, 176.644.



This preview shows how white text looks on a background with the CIELCh color 46, 18.550, 176.644.

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, 18.550, 176.644

Protanopia

46, 4.466, 87.421

Deuteranopia

46, 6.277, 357.988



Tritanopia
46, 14.569, 219.744

Trichromacy



Original Color
46, 18.550, 176.644

Protanomaly
45, 7.477, 159.074

Deuteranomaly
46, 3.460, 178.985

Tritanomaly
46, 15.117, 202.325

Monochromacy



Original Color
46, 18.550, 176.644

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, 18.550, 176.644 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(72, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(72, 118, 107)  
}
```

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(72, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 118, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.550, 176.644 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(72, 118, 107) }
```

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

```
.border{ border-color:rgb(72, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(72, 118,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.550, 176.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 118, 107) }
```

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

```
.background{ background-color: rgb(72, 118,  
107) }
```

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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