

Converting Colors

CIELCh(46, 16.657, 167.060)

Have a look what the booklet for
CIELCh(46, 16.657, 167.060)
contains.

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Color

CIELCh(46, 16.491, 167.222)

Conversions

Conversions Part 1

Format	Color
Hex	507466
RGB	80, 116, 102
RGB Percent	31%, 45%, 40%
CMY	0.6848, 0.5436, 0.5985
CMYK	0.31, 0.00, 0.12, 0.54
HSL	157°, 18%, 39%
HSV	157°, 31%, 46%
XYZ	12.0469, 15.2687, 14.9806
YIQ	103.6400, -16.9620, -11.9860

Conversions

Conversions Part 2

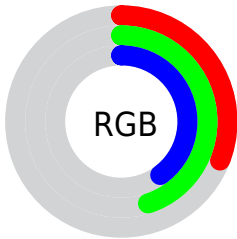
Format	Color
R_{YB}	80, 102, 116
Decimal	5272678
CIE Lab	46.00, -16.08, 3.65
CIE LCh	46, 16.491, 167.222
Yxy	15.2687, 0.2848, 0.3610
Android (android.graphics.Color)	4283462758 (0xFF507466)
YUV	103.6400, -0.8085, -20.7323
Hunter-Lab	39.0751, -13.3500, 4.6220

Details

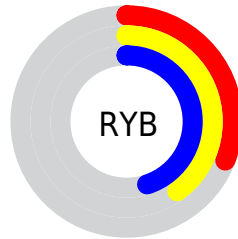
The CIELCh color **46, 16.491, 167.222** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 17.528, 353.151**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 16.471, 167.655**, and **26, 16.857, 166.353** is the 20% darker color. If you saturate the color by 10%, you get **45, 21.509, 166.094**, and if you desaturate by 10%, it is **47, 11.270, 168.248**.

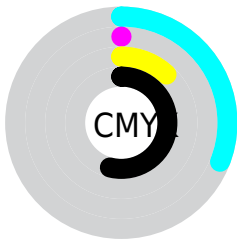
Distribution



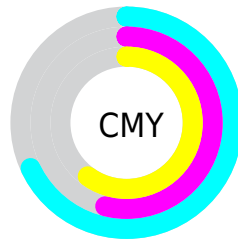
- Red (31%)
- Green (45%)
- Blue (40%)



- Red (31%)
- Yellow (40%)
- Blue (45%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)




- Cyan (68%)
- Magenta (54%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.491, 167.222 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, 16.491, 167.222 by changing the saturation by 10% instead.


 46, 16.491,
167.222


 46, 16.491,
167.222


 100, 16.491,
167.222


 36, 16.491,
167.222

 66, 16.491,
167.222


 26, 16.491,
167.222

 76, 16.491,
167.222

 16, 16.491,
167.222


 86, 16.491,
167.222

 6, 16.491, 167.222

 96, 16.491,
167.222

 0, 16.491, 167.222

 46, 16.491,

 46, 16.491,

167.222

167.222

■ 45, 21.509,
166.094

■ 47, 11.270,
168.248

■ 45, 26.238,
164.846

■ 48, 5.920, 169.204

■ 44, 30.599,
163.456

■ 49, 0.508, 170.604

■ 50, 4.909, 350.751

■ 44, 34.522,
161.901

■ 51, 10.287,
351.531

■ 43, 37.959,
160.163

■ 53, 15.593,
352.244

■ 43, 40.894,
158.232

■ 54, 20.803,
352.913

■ 43, 43.326,
156.490

■ 55, 25.901,
353.547

■ 57, 30.876,

354.150

Harmonies

Complementary

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



46, 16.491, 167.222



38, 17.528, 353.151

Rectangle

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



46, 16.491, 167.222



46, 16.491, 217.222



46, 16.491, 347.222



46, 16.491, 37.222

Sweetspot

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



46, 16.492, 167.220



61, 6.010, 169.366



46, 23.045, 131.143



32, 4.208, 169.254



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, 16.492, 167.220



58, 24.103, 166.446



45, 12.101, 208.409



24, 3.065, 169.383



45, 45.023, 156.357



87, 78.227, 155.007

Inverse Universe

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



38, 17.528, 353.151



47, 25.974, 354.047



39, 14.912, 29.807



23, 3.122, 350.816



25, 49.183, 10.674



53, 83.919, 13.835

Previews

White Background



This preview shows how the CIELCh color 46, 16.491, 167.222 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, 16.491, 167.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

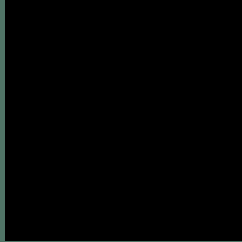
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

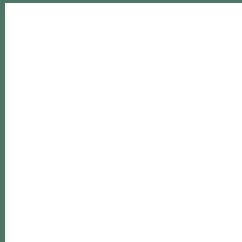
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.491, 167.222

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.491, 167.222.



This preview shows how white text looks on a background with the CIELCh color 46, 16.491, 167.222.

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, 16.491, 167.222

Protanopia

46, 6.286, 89.531

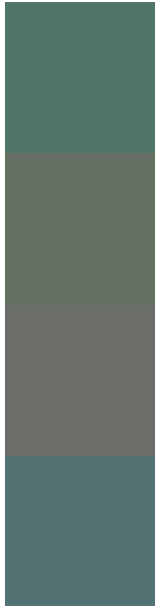
Deuteranopia

46, 6.306, 20.129



Tritanopia
46, 11.630, 229.389

Trichromacy



Original Color
46, 16.491, 167.222

Protanomaly
46, 7.764, 141.500

Deuteranomaly
46, 3.224, 132.335

Tritanomaly
46, 11.600, 204.077

Monochromacy



Original Color
46, 16.491, 167.222

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.761, 166.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.491, 167.222 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(80, 116, 102)` looks like.

```
.text, #text, p{  
    color:rgb(80, 116, 102)  
}
```

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(80, 116, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 116, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.491, 167.222 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(80, 116, 102) }
```

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

```
.border{ border-color:rgb(80, 116, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 116, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 116, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 116, 102);  
box-shadow:4px 4px 4px 4px rgb(80, 116,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.491, 167.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 116, 102) }
```

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

```
.background{ background-color: rgb(80, 116,  
102) }
```

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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