

Converting Colors

CIELCh(46, 16.348, 153.151)

Have a look what the booklet for
CIELCh(46, 16.348, 153.151)
contains.

CIELCh(46, 16.816, 152.860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 16.816, 152.860)

Conversions

Conversions Part 1

Format	Color
Hex	577460
RGB	87, 116, 96
RGB Percent	34%, 45%, 38%
CMY	0.6600, 0.5463, 0.6247
CMYK	0.25, 0.00, 0.17, 0.55
HSL	139°, 14%, 40%
HSV	139°, 25%, 45%
XYZ	12.2085, 15.2687, 13.2966
YIQ	105.0490, -10.8640, -12.3680

Conversions

Conversions Part 2

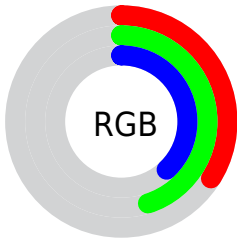
Format	Color
RYB	87, 109, 116
Decimal	5731424
CIELab	46.00, -14.96, 7.67
CIELCh	46, 16.816, 152.860
Yxy	15.2687, 0.2994, 0.3745
Android (android.graphics.Color)	4283921504 (0xFF577460)
YUV	105.0490, -4.4612, -15.8290
Hunter-Lab	39.0751, -12.6118, 7.1772

Details

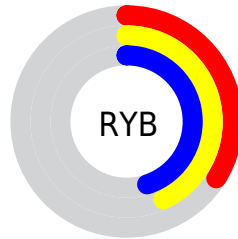
The CIELCh color $46, 16.816, 152.860$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $40, 16.986, 336.416$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.649, 153.852$, and $26, 16.793, 152.645$ is the 20% darker color. If you saturate the color by 10%, you get $45, 23.456, 151.923$, and if you desaturate by 10%, it is $47, 10.096, 153.685$.

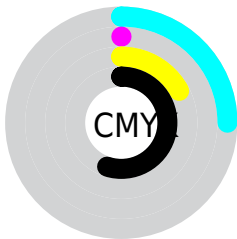
Distribution



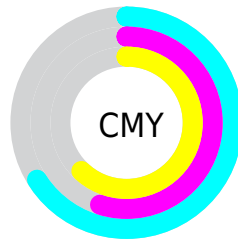
- Red (34%)
- Green (45%)
- Blue (38%)



- Red (34%)
- Yellow (43%)
- Blue (45%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (55%)





- Cyan (66%)
- Magenta (55%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.816, 152.860 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, 16.816, 152.860 by changing the saturation by 10% instead.


 46, 16.816,
152.860


 46, 16.816,
152.860


 100, 16.816,
152.860


 36, 16.816,
152.860

 66, 16.816,
152.860


 26, 16.816,
152.860

 76, 16.816,
152.860

 16, 16.816,
152.860

 86, 16.816,
152.860

 6, 16.816, 152.860

 96, 16.816,
152.860

 0, 16.816, 152.860

 46, 16.816,

 46, 16.816,

152.860

152.860

■ 45, 23.456,
151.923

■ 47, 10.096,
153.685

■ 44, 29.912,
150.855

■ 48, 3.374, 154.448

■ 44, 36.076,
149.636

■ 49, 3.282, 334.946

■ 51, 9.823, 335.558

■ 43, 41.830,
148.251

■ 52, 16.216,
336.074

■ 43, 47.065,
146.695

■ 53, 22.437,
336.534

■ 42, 51.691,
144.979

■ 55, 28.475,
336.951

■ 42, 55.680,
143.172

■ 57, 34.323,
337.330

■ 42, 57.515,
142.380

■ 58, 39.981,

Harmonies

Complementary

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



46, 16.816, 152.860



40, 16.986, 336.416

Rectangle

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



46, 16.816, 152.860



46, 16.816, 202.860



46, 16.816, 332.860



46, 16.816, 22.860

Sweetspot

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



46, 16.817, 152.859



61, 6.631, 154.206



47, 17.360, 120.423



32, 4.753, 154.111



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, 16.817, 152.859



58, 24.937, 152.340



46, 11.811, 181.086



24, 3.806, 154.143



44, 60.067, 142.246



86, 104.617, 141.071

Inverse Universe

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



40, 16.986, 336.416



50, 25.224, 336.849



40, 13.019, 5.744



23, 3.826, 335.266



26, 53.631, 344.861



55, 89.988, 346.102

Previews

White Background



This preview shows how the CIELCh color 46, 16.816, 152.860 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, 16.816, 152.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

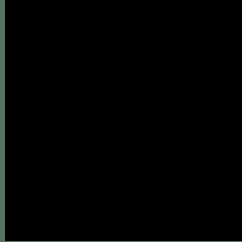
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.816, 152.860

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.816, 152.860.



This preview shows how white text looks on a background with the CIELCh color 46, 16.816, 152.860.

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, 16.816, 152.860

Protanopia

46, 9.819, 93.434

Deuteranopia

46, 8.836, 48.014



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 16.816, 152.860

Protanomaly
46, 11.058, 124.328

Deuteranomaly
46, 7.110, 105.746

Tritanomaly
46, 9.299, 194.687

Monochromacy



Original Color
46, 16.816, 152.860

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 6.181, 156.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.816, 152.860 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(87, 116, 96)` looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 96)  
}
```

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(87, 116, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.816, 152.860 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(87, 116, 96) }
```

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

```
.border{ border-color:rgb(87, 116, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 116, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 96);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.816, 152.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 96) }
```

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

```
.background{ background-color: rgb(87, 116,  
96) }
```

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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