

Converting Colors

CIELCh(46, 16.767, 107.795)

Have a look what the booklet for
CIELCh(46, 16.767, 107.795)
contains.

CIELCh(46, 17.020, 107.787)	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, 17.020, 107.787)

Conversions

Conversions Part 1

Format	Color
Hex	6F6F52
RGB	111, 111, 82
RGB Percent	44%, 44%, 32%
CMY	0.5659, 0.5659, 0.6795
CMYK	0.00, 0.00, 0.26, 0.57
HSL	60°, 15%, 38%
HSV	60°, 26%, 43%
XYZ	13.6818, 15.2687, 10.1520
YIQ	107.6940, 9.3090, -9.0190

Conversions

Conversions Part 2

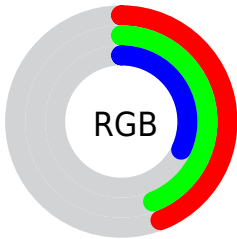
Format	Color
R_{YB}	82, 111, 82
Decimal	7302994
CIE Lab	46.00, -5.20, 16.21
CIE LCh	46, 17.020, 107.787
Yxy	15.2687, 0.3499, 0.3905
Android (android.graphics.Color)	4285493074 (0xFF6F6F52)
YUV	107.6940, -12.6671, 2.8994
Hunter-Lab	39.0751, -5.8816, 11.9487

Details

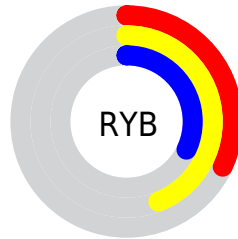
The CIELCh color $46, 17.020, 107.787$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 18.046, 293.099$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 17.019, 108.374$, and $26, 16.673, 106.712$ is the 20% darker color. If you saturate the color by 10%, you get $46, 23.365, 106.885$, and if you desaturate by 10%, it is $46, 10.562, 108.707$.

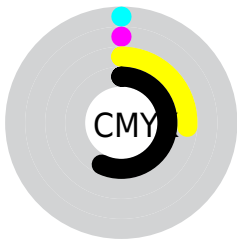
Distribution



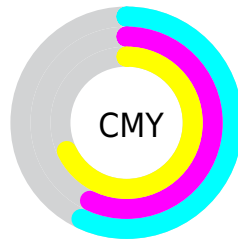
- Red (44%)
- Green (44%)
- Blue (32%)



- Red (32%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (57%)



- Cyan (57%)
- Magenta (57%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 17.020, 107.787 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, 17.020, 107.787 by changing the saturation by 10% instead.

■ 46, 17.020,
107.787

■ 46, 17.020,
107.787

■ 100, 17.020,
107.787

■ 36, 17.020,
107.787

■ 66, 17.020,
107.787

■ 26, 17.020,
107.787

■ 76, 17.020,
107.787

■ 16, 17.020,
107.787

■ 86, 17.020,
107.787

■ 6, 17.020, 107.787

■ 96, 17.020,
107.787

■ 0, 17.020, 107.787

■ 46, 17.020,

■ 46, 17.020,

107.787

107.787

■ 46, 23.365,
106.885

■ 46, 10.562,
108.707

■ 46, 29.513,
106.009

■ 47, 4.042, 109.616

■ 45, 35.345,
105.185

■ 47, 2.505, 290.544

■ 47, 9.056, 291.411

■ 45, 40.682,
104.441

■ 48, 15.593,
292.259

■ 45, 45.286,
103.810

■ 48, 22.105,
293.075

■ 45, 48.877,
103.328

■ 48, 28.583,
293.855

■ 45, 51.430,
102.990

■ 49, 35.019,
294.596

■ 45, 52.398,
102.863

■ 50, 41.408,

Harmonies

Complementary

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



46, 17.020, 107.787



36, 18.046, 293.099

Rectangle

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



46, 17.020, 107.787



46, 17.020, 157.787



46, 17.020, 287.787



46, 17.020, 337.787

Sweetspot

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



46, 17.021, 107.791



59, 6.442, 109.434



38, 13.000, 21.312



30, 4.546, 109.325



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



46, 17.021, 107.791



58, 24.746, 107.280



45, 18.244, 127.929



23, 3.716, 109.361



49, 55.449, 102.863



95, 94.699, 102.864

Inverse Universe

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



36, 18.046, 293.099



43, 26.624, 293.893



37, 18.878, 310.250



21, 3.792, 291.063



12, 76.564, 306.288



31, 130.762, 306.288

Previews

White Background



This preview shows how the CIELCh color 46, 17.020, 107.787 looks on a white background.

Color Contrast Check

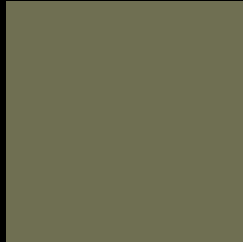
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.020, 107.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

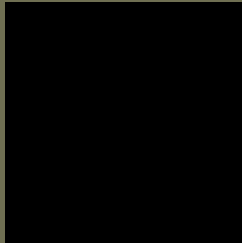
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

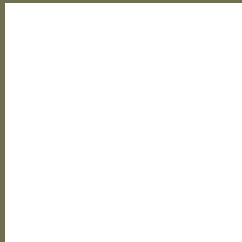
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 17.020, 107.787

Background



This preview shows how black text looks on a background with the CIELCh color 46, 17.020, 107.787.



This preview shows how white text looks on a background with the CIELCh color 46, 17.020, 107.787.

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

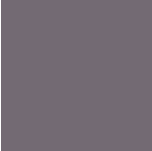
46, 17.020, 107.787

Protanopia

46, 16.883, 95.549

Deuteranopia

46, 16.685, 67.723



Tritanopia
46, 6.504, 324.822

Trichromacy



Original Color
46, 17.020, 107.787

Protanomaly
46, 17.190, 100.288

Deuteranomaly
46, 15.470, 80.470

Tritanomaly
46, 3.616, 74.334

Monochromacy



Original Color
46, 17.020, 107.787

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.929, 109.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 17.020, 107.787 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(111, 111, 82)` looks like.

```
.text, #text, p{  
    color:rgb(111, 111, 82)  
}
```

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(111, 111, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 111, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 17.020, 107.787 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(111, 111, 82) }
```

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

```
.border{ border-color:rgb(111, 111, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 111, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 111, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 111, 82);  
box-shadow:4px 4px 4px 4px rgb(111, 111,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 17.020, 107.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 111, 82) }
```

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

```
.background{ background-color: rgb(111,  
111, 82) }
```

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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