

Converting Colors

CIELCh(46, 38.018, 106.264)

Have a look what the booklet for
CIELCh(46, 38.018, 106.264)
contains.

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Color

CIELCh(46, 38.184, 106.280)

Conversions

Conversions Part 1

Format	Color
Hex	6F712D
RGB	111, 113, 45
RGB Percent	44%, 44%, 18%
CMY	0.5662, 0.5583, 0.8249
CMYK	0.02, 0.00, 0.60, 0.56
HSL	62°, 43%, 31%
HSV	62°, 60%, 44%
XYZ	12.8375, 15.2687, 4.7173
YIQ	104.6500, 20.6360, -21.5720

Conversions

Conversions Part 2

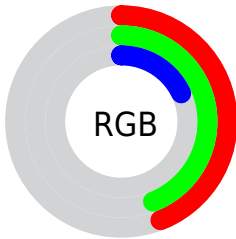
Format	Color
R_{YB}	45, 113, 47
Decimal	7303469
CIE _{Lab}	46.00, -10.70, 36.65
CIE _{LCh}	46, 38.184, 106.280
Yxy	15.2687, 0.3911, 0.4652
Android (android.graphics.Color)	4285493549 (0xFF6F712D)
YUV	104.6500, -29.4075, 5.5689
Hunter-Lab	39.0751, -9.7384, 20.1949

Details

The CIELCh color **46, 38.184, 106.280** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **22, 45.109, 299.643**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 38.199, 106.777**, and **26, 36.123, 106.363** is the 20% darker color. If you saturate the color by 10%, you get **46, 43.314, 105.638**, and if you desaturate by 10%, it is **46, 32.457, 107.030**.

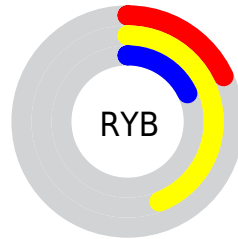
Distribution



Red (44%)

Green (44%)

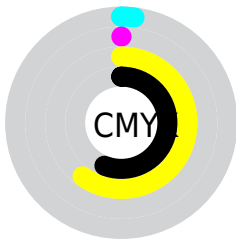
Blue (18%)



Red (18%)

Yellow (44%)

Blue (18%)

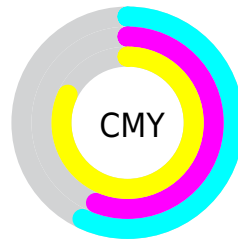


Cyan (2%)

Magenta (0%)

Yellow (60%)

Black (56%)



Cyan (57%)

Magenta (56%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.184, 106.280 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, 38.184, 106.280 by changing the saturation by 10% instead.


 46, 38.184,
106.280


 46, 38.184,
106.280


 100, 38.184,
106.280


 36, 38.184,
106.280

 66, 38.184,
106.280


 26, 38.184,
106.280

 76, 38.184,
106.280

 16, 38.184,
106.280

 86, 38.184,
106.280

 6, 38.184, 106.280

 96, 38.184,
106.280

 0, 38.184, 106.280

 46, 38.184,

 46, 38.184,

106.280

■ 46, 43.314,
105.638

■ 46, 47.581,
105.137

■ 46, 50.703,
104.820

■ 46, 53.082,
104.611

106.280

■ 46, 32.457,
107.030

■ 46, 26.340,
107.845

■ 47, 19.976,
108.700

■ 47, 13.465,
109.573

■ 47, 6.870, 110.446

■ 47, 0.234, 111.168

■ 48, 6.414, 292.168

■ 48, 13.055,
292.984

■ 49, 19.674,

Harmonies

Complementary

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



46, 38.184, 106.280



22, 45.109, 299.643

Rectangle

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



46, 38.184, 106.280



46, 38.184, 156.280



46, 38.184, 286.280



46, 38.184, 336.280

Sweetspot

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



46, 38.185, 106.282



60, 14.681, 109.739



28, 33.337, 27.720



31, 10.272, 109.535



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 38.185, 106.282



58, 53.975, 105.445



44, 41.608, 127.093



23, 3.717, 110.564



48, 55.489, 104.623



94, 94.774, 104.723

Inverse Universe

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



22, 45.109, 299.643



24, 67.365, 302.266



26, 45.165, 312.458



21, 3.793, 292.179



12, 76.382, 306.434



31, 130.632, 306.348

Previews

White Background



This preview shows how the CIELCh color 46, 38.184, 106.280 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, 38.184, 106.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

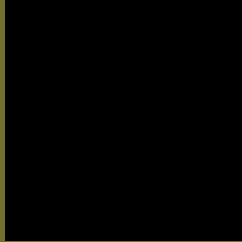
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 38.184, 106.280

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.184, 106.280.



This preview shows how white text looks on a background with the CIELCh color 46, 38.184, 106.280.

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, 38.184, 106.280

Protanopia

46, 37.318, 95.997

Deuteranopia

46, 36.573, 80.979



Tritanopia
46, 6.554, 333.766

Trichromacy



Original Color
46, 38.184, 106.280

Protanomaly
46, 37.441, 99.734

Deuteranomaly
46, 36.200, 90.420

Tritanomaly
46, 11.651, 93.290

Monochromacy



Original Color
46, 38.184, 106.280

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 14.799, 109.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.184, 106.280 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, 113, 45)` looks like.

```
.text, #text, p{  
    color:rgb(111, 113, 45)  
}
```

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, 113, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 113, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.184, 106.280 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, 113, 45) }
```

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

```
.border{ border-color:rgb(111, 113, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 113, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 113, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 113, 45);  
box-shadow:4px 4px 4px 4px rgb(111, 113,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.184, 106.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 113, 45) }
```

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

```
.background{ background-color: rgb(111,  
113, 45) }
```

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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