

Converting Colors

CIELCh(46, 11.480, 0.507)

Have a look what the booklet for
CIELCh(46, 11.480, 0.507) contains.

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Color

CIELCh(46, 11.620, 0.105)

Conversions

Conversions Part 1

Format	Color
Hex	80666D
RGB	128, 102, 109
RGB Percent	50%, 40%, 43%
CMY	0.4970, 0.5990, 0.5716
CMYK	0.00, 0.20, 0.15, 0.50
HSL	344°, 11%, 45%
HSV	344°, 20%, 50%
XYZ	16.4890, 15.2687, 16.6150
YIQ	110.5720, 13.2490, 7.6890

Conversions

Conversions Part 2

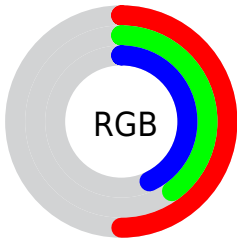
Format	Color
R_{YB}	128, 102, 109
Decimal	8414829
CIE Lab	46.00, 11.62, 0.02
CIE LCh	46, 11.620, 0.105
Yxy	15.2687, 0.3409, 0.3156
Android (android.graphics.Color)	4286604909 (0xFF80666D)
YUV	110.5720, -0.7750, 15.2844
Hunter-Lab	39.0751, 6.9421, 2.1420

Details

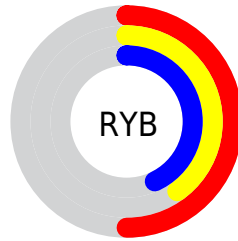
The CIELCh color $46, 11.620, 0.105$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 10.911, 176.320$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 11.552, 1.002$, and $26, 11.513, 358.513$ is the 20% darker color. If you saturate the color by 10%, you get $42, 17.654, 1.357$, and if you desaturate by 10%, it is $50, 5.770, 359.021$.

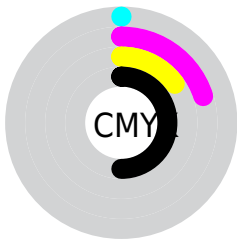
Distribution



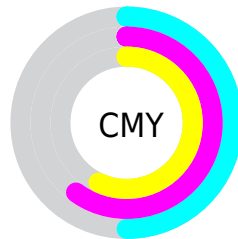
- Red (50%)
- Green (40%)
- Blue (43%)



- Red (50%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (15%)
- Black (50%)























- Cyan (50%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 11.620, 0.105 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, 11.620, 0.105 by changing the saturation by 10% instead.

 46, 11.620, 0.105	 46, 11.620, 0.105
 100, 11.620, 0.105	 36, 11.620, 0.105
 66, 11.620, 0.105	 26, 11.620, 0.105
 76, 11.620, 0.105	 16, 11.620, 0.105
 86, 11.620, 0.105	 6, 11.620, 0.105
 96, 11.620, 0.105	 0, 11.620, 0.105

 46, 11.620, 0.105	 46, 11.620, 0.105
 42, 17.654, 1.357	 50, 5.770, 359.021
 39, 23.790, 2.836	 54, 0.157, 355.914
 36, 29.882, 4.628	 57, 5.205, 177.421

■ 33, 35.731, 6.841

■ 61, 10.314,
176.666

■ 30, 41.093, 9.610

■ 65, 15.182,
176.006

■ 28, 45.738, 13.086

■ 27, 49.545, 17.384

■ 69, 19.825,
175.412

■ 26, 52.905, 21.906

■ 73, 24.260,
174.872

■ 77, 28.508,
174.377

■ 81, 32.585,
173.922

Harmonies

Complementary

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



46, 11.620, 0.105



52, 10.911, 176.320

Rectangle

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



46, 11.620, 0.105



46, 11.620, 50.105



46, 11.620, 180.105



46, 11.620, 230.105

Sweetspot

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



46, 11.618, 0.110



65, 4.118, 358.583



46, 17.159, 317.083



34, 2.756, 358.639



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 11.618, 0.110



57, 17.093, 0.618



47, 9.366, 40.954



25, 3.141, 358.897



26, 52.669, 21.869



0, 0.000, 0.000

Inverse Universe

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



46, 11.618, 0.110



57, 17.093, 0.618



50, 8.254, 222.342



25, 3.141, 358.897



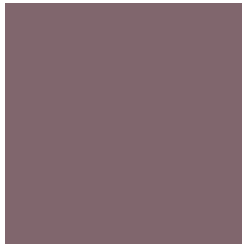
26, 52.669, 21.869



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 11.620, 0.105 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, 11.620, 0.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

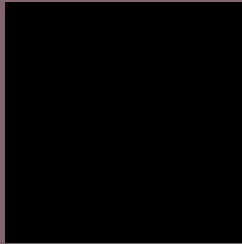
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 11.620, 0.105

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.620, 0.105.



This preview shows how white text looks on a background with the CIELCh color 46, 11.620, 0.105.

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, 11.620, 0.105

Protanopia

46, 2.419, 300.110

Deuteranopia

46, 6.081, 3.175



Tritanopia
46, 11.811, 357.390

Trichromacy



Original Color
46, 11.620, 0.105

Protanomaly
46, 5.075, 344.273

Deuteranomaly
46, 7.863, 2.899

Tritanomaly
46, 11.811, 357.390

Monochromacy



Original Color
46, 11.620, 0.105

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 3.902, 2.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.620, 0.105 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(128, 102, 109)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 109)  
}
```

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(128, 102, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.620, 0.105 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(128, 102, 109) }
```

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

```
.border{ border-color:rgb(128, 102, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 109);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.620, 0.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 109) }
```

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

```
.background{ background-color: rgb(128,  
102, 109) }
```

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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