

Converting Colors

CIELCh(46, 12.817, 300.036)

Have a look what the booklet for
CIELCh(46, 12.817, 300.036)
contains.

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Color

CIELCh(46, 12.689, 300.558)

Conversions

Conversions Part 1

Format	Color
Hex	6F6A7F
RGB	111, 106, 127
RGB Percent	44%, 42%, 50%
CMY	0.5641, 0.5837, 0.5013
CMYK	0.13, 0.17, 0.00, 0.50
HSL	254°, 9%, 46%
HSV	254°, 17%, 50%
XYZ	15.5890, 15.2687, 22.2619
YIQ	109.8890, -3.7610, 7.5910

Conversions

Conversions Part 2

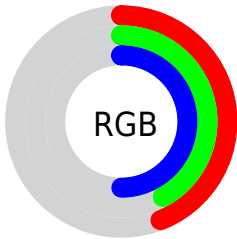
Format	Color
R_{YB}	111, 106, 127
Decimal	7301759
CIE Lab	46.00, 6.45, -10.93
CIE LCh	46, 12.689, 300.558
Yxy	15.2687, 0.2935, 0.2874
Android (android.graphics.Color)	4285491839 (0xFF6F6A7F)
YUV	109.8890, 8.4357, 0.9743
Hunter-Lab	39.0751, 2.8308, -6.4262

Details

The CIELCh color $46, 12.689, 300.558$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 12.281, 118.446$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.993, 301.144$, and $26, 12.617, 300.087$ is the 20% darker color. If you saturate the color by 10%, you get $42, 20.736, 301.351$, and if you desaturate by 10%, it is $50, 4.920, 299.856$.

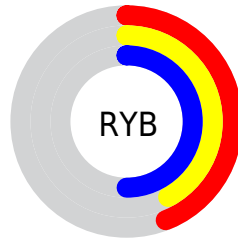
Distribution



Red (44%)

Green (42%)

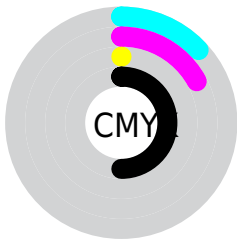
Blue (50%)



Red (44%)

Yellow (42%)

Blue (50%)

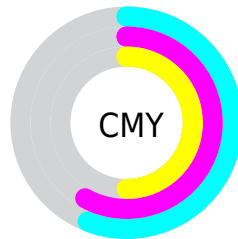


Cyan (13%)

Magenta (17%)

Yellow (0%)

Black (50%)



Cyan (56%)


Magenta (58%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.689, 300.558 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, 12.689, 300.558 by changing the saturation by 10% instead.

 46, 12.689,
300.558


 46, 12.689,
300.558


 100, 12.689,
300.558


 36, 12.689,
300.558

 66, 12.689,
300.558


 26, 12.689,
300.558

 76, 12.689,
300.558

 16, 12.689,
300.558


 86, 12.689,
300.558

 6, 12.689, 300.558

 96, 12.689,
300.558

 0, 12.689, 300.558

 46, 12.689,

 46, 12.689,

300.558

42, 20.736,
301.351

37, 29.060,
302.246

33, 37.626,
303.235

29, 46.346,
304.296

25, 55.022,
305.377

21, 63.272,
306.382

18, 70.452,
307.158

15, 76.037,
307.625

300.558

50, 4.920, 299.856

55, 2.573, 119.259

59, 9.806, 118.725

63, 16.792,
118.267

68, 23.547,
117.871

72, 30.085,
117.529

76, 36.418,
117.234

80, 42.561,
116.979

85, 48.525,

■ 14, 78.019,
307.863

116.760

Harmonies

Complementary

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



46, 12.689, 300.558



52, 12.281, 118.446

Rectangle

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



46, 12.689, 300.558



46, 12.689, 350.558



46, 12.689, 120.558



46, 12.689, 170.558

Sweetspot

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



46, 12.688, 300.556



65, 4.679, 299.765



50, 6.704, 224.254



34, 3.220, 299.804



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, 12.688, 300.556



57, 19.215, 300.859



47, 13.893, 317.446



25, 4.283, 300.029



15, 78.167, 307.861



0, 0.000, 0.000

Inverse Universe

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



47, 12.692, 332.911



59, 19.117, 333.173



51, 13.745, 136.067



25, 4.321, 332.423



28, 57.882, 340.089



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 12.689, 300.558 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, 12.689, 300.558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

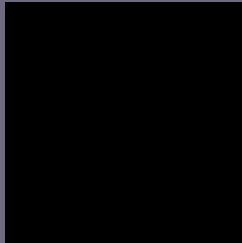
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.689, 300.558

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.689, 300.558.



This preview shows how white text looks on a background with the CIELCh color 46, 12.689, 300.558.

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, 12.689, 300.558

Protanopia

46, 11.922, 286.372

Deuteranopia

46, 12.689, 300.558



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 12.689, 300.558

Protanomaly
46, 12.502, 291.894

Deuteranomaly
46, 12.689, 300.558

Tritanomaly
46, 8.438, 299.318

Monochromacy



Original Color
46, 12.689, 300.558

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.185, 296.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.689, 300.558 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, 106, 127)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 127)  
}
```

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, 106, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.689, 300.558 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, 106, 127) }
```

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

```
.border{ border-color:rgb(111, 106, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 106, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 106, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 106, 127);  
box-shadow:4px 4px 4px 4px rgb(111, 106,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.689, 300.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 106, 127) }
```

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

```
.background{ background-color: rgb(111,  
106, 127) }
```

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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