

Converting Colors

CIELCh(46, 13.112, 300.952)

Have a look what the booklet for
CIELCh(46, 13.112, 300.952)
contains.

CIELCh(46, 13.276, 300.218)	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, 13.276, 300.218)

Conversions

Conversions Part 1

Format	Color
Hex	6F6A80
RGB	111, 106, 128
RGB Percent	44%, 42%, 50%
CMY	0.5644, 0.5840, 0.4977
CMYK	0.13, 0.17, 0.00, 0.50
HSL	254°, 9%, 46%
HSV	254°, 17%, 50%
XYZ	15.6284, 15.2687, 22.5725
YIQ	110.0030, -4.0820, 7.9020

Conversions

Conversions Part 2

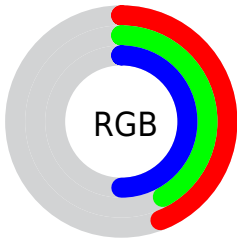
Format	Color
R_{YB}	111, 106, 128
Decimal	7301760
CIE Lab	46.00, 6.68, -11.47
CIE LCh	46, 13.276, 300.218
Yxy	15.2687, 0.2923, 0.2856
Android (android.graphics.Color)	4285491840 (0xFF6F6A80)
YUV	110.0030, 8.8725, 0.8744
Hunter-Lab	39.0751, 3.0109, -6.8974

Details

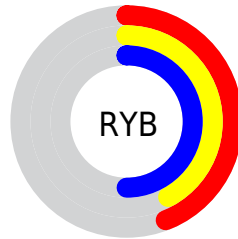
The CIELCh color $46, 13.276, 300.218$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 12.828, 117.970$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.540, 300.782$, and $26, 13.264, 299.800$ is the 20% darker color. If you saturate the color by 10%, you get $42, 21.384, 301.037$, and if you desaturate by 10%, it is $50, 5.451, 299.495$.

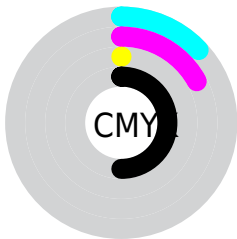
Distribution



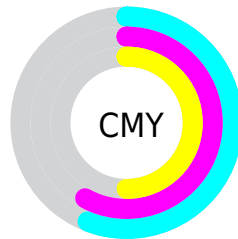
- Red (44%)
- Green (42%)
- Blue (50%)



- 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, 13.276, 300.218 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, 13.276, 300.218 by changing the saturation by 10% instead.


 46, 13.276,
300.218


 46, 13.276,
300.218


 100, 13.276,
300.218


 36, 13.276,
300.218

 66, 13.276,
300.218


 26, 13.276,
300.218

 76, 13.276,
300.218

 16, 13.276,
300.218


 86, 13.276,
300.218

 6, 13.276, 300.218

 96, 13.276,
300.218

 0, 13.276, 300.218

 46, 13.276,

 46, 13.276,

300.218

■ 42, 21.384,
301.037

■ 37, 29.774,
301.961

■ 33, 38.410,
302.984

■ 28, 47.199,
304.083

■ 24, 55.936,
305.201

■ 21, 64.216,
306.238

■ 18, 71.366,
307.033

■ 15, 76.934,
307.535

300.218

■ 50, 5.451, 299.495

■ 55, 2.096, 118.879

■ 59, 9.377, 118.330

■ 64, 16.410,
117.858

■ 68, 23.208,
117.451

■ 72, 29.786,
117.099

■ 76, 36.158,
116.796

■ 81, 42.337,
116.534

■ 85, 48.336,

■ 15,78.552,
307.742

116.309

Harmonies

Complementary

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



46, 13.276, 300.218



53, 12.828, 117.970

Rectangle

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



46, 13.276, 300.218



46, 13.276, 350.218



46, 13.276, 120.218



46, 13.276, 170.218

Sweetspot

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



46, 13.275, 300.216



65, 4.673, 299.358



51, 7.045, 222.175



34, 3.216, 299.397



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, 13.275, 300.216



57, 20.193, 300.557



47, 14.481, 316.951



24, 4.278, 299.626



14, 78.292, 307.746



0, 0.000, 0.000

Inverse Universe

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



47, 13.384, 332.547



59, 20.232, 332.830



52, 14.311, 135.522



25, 4.355, 332.021



28, 58.322, 339.416



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 13.276, 300.218 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, 13.276, 300.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

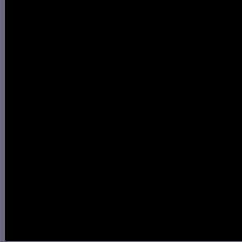
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.276, 300.218

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.276, 300.218.



This preview shows how white text looks on a background with the CIELCh color 46, 13.276, 300.218.

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, 13.276, 300.218

Protanopia

46, 12.512, 286.728

Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 13.276, 300.218

Protanomaly
46, 13.096, 291.973

Deuteranomaly
46, 13.224, 298.577

Tritanomaly
46, 8.438, 299.318

Monochromacy



Original Color
46, 13.276, 300.218

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.776, 295.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.276, 300.218 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.276, 300.218 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, 128) }
```

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

```
.border{ border-color:rgb(111, 106, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 106, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 106, 128);  
box-shadow:4px 4px 4px 4px rgb(111, 106,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.276, 300.218 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, 128) }
```

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

```
.background{ background-color: rgb(111,  
106, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor