

Converting Colors

CIELCh(46, 16.356, 291.540)

Have a look what the booklet for
CIELCh(46, 16.356, 291.540)
contains.

CIELCh(46, 16.061, 291.052)	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, 16.061, 291.052)

Conversions

Conversions Part 1

Format	Color
Hex	6A6B86
RGB	106, 107, 134
RGB Percent	42%, 42%, 53%
CMY	0.5847, 0.5808, 0.4749
CMYK	0.21, 0.20, 0.00, 0.47
HSL	238°, 12%, 47%
HSV	238°, 21%, 53%
XYZ	15.4728, 15.2687, 24.6449
YIQ	109.7790, -9.2630, 8.1850

Conversions

Conversions Part 2

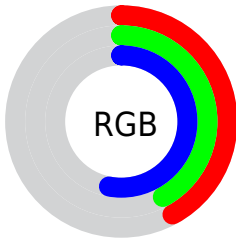
Format	Color
R _Y B	106, 107, 134
Decimal	6974342
CIE Lab	46.00, 5.77, -14.99
CIE LCh	46, 16.061, 291.052
Yxy	15.2687, 0.2794, 0.2757
Android (android.graphics.Color)	4285164422 (0xFF6A6B86)
YUV	109.7790, 11.9410, -3.3142
Hunter-Lab	39.0751, 2.2999, -10.0419

Details

The CIELCh color `46, 16.061, 291.052` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `55, 15.380, 106.705`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 16.094, 291.847`, and `26, 15.729, 290.503` is the 20% darker color. If you saturate the color by 10%, you get `41, 24.211, 292.466`, and if you desaturate by 10%, it is `51, 8.224, 289.843`.

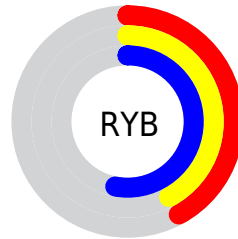
Distribution



Red (42%)

Green (42%)

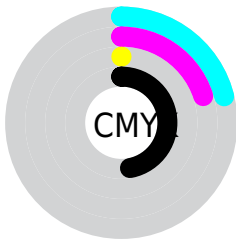
Blue (53%)



Red (42%)

Yellow (42%)

Blue (53%)

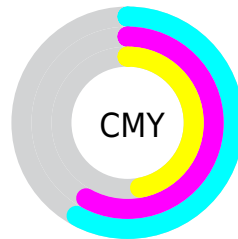


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (47%)



Cyan (58%)


Magenta (58%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.061, 291.052 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, 16.061, 291.052 by changing the saturation by 10% instead.


 46, 16.061,
291.052


 46, 16.061,
291.052


 100, 16.061,
291.052


 36, 16.061,
291.052

 66, 16.061,
291.052


 26, 16.061,
291.052

 76, 16.061,
291.052

 16, 16.061,
291.052


 86, 16.061,
291.052

 6, 16.061, 291.052

 96, 16.061,
291.052

 0, 16.061, 291.052

 46, 16.061,

 46, 16.061,

291.052

291.052

41, 24.211,
292.466

51, 8.224, 289.843

37, 32.697,
294.114

55, 0.680, 288.887

32, 41.518,
296.005

60, 6.594, 107.908

27, 50.618,
298.118

65, 13.617,
107.153

23, 59.798,
300.368

69, 20.406,
106.499

19, 68.567,
302.576

74, 26.976,
105.933

16, 76.010,
304.462

78, 33.341,
105.440

15, 81.043,
305.655

83, 39.513,
105.009

87, 45.504,

Harmonies

Complementary

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



46, 16.061, 291.052



55, 15.380, 106.705

Rectangle

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



46, 16.061, 291.052



46, 16.061, 341.052



46, 16.061, 111.052



46, 16.061, 161.052

Sweetspot

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



46, 16.060, 291.050



67, 5.541, 289.334



54, 10.542, 193.952



35, 3.663, 289.388



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 16.060, 291.050



56, 23.933, 291.680



47, 17.364, 308.307



25, 4.204, 289.647



14, 79.294, 305.633



0, 0.992, 288.715

Inverse Universe

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



48, 11.891, 18.040



59, 17.846, 18.527



54, 16.840, 126.349



26, 3.051, 16.977



26, 61.038, 37.087



0, 0.708, 16.427

Previews

White Background



This preview shows how the CIELCh color 46, 16.061, 291.052 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, 16.061, 291.052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

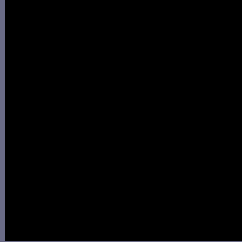
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

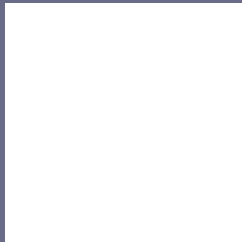
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 16.061, 291.052

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.061, 291.052.



This preview shows how white text looks on a background with the CIELCh color 46, 16.061, 291.052.

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, 16.061, 291.052

Protanopia

46, 16.105, 285.866

Deuteranopia

46, 16.063, 292.362



Tritanopia
46, 5.427, 260.625

Trichromacy



Original Color
46, 16.061, 291.052

Protanomaly
46, 16.076, 287.144

Deuteranomaly
46, 16.063, 292.362

Tritanomaly
46, 9.072, 279.253

Monochromacy



Original Color
46, 16.061, 291.052

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.941, 291.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.061, 291.052 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(106, 107, 134)` looks like.

```
.text, #text, p{  
    color:rgb(106, 107, 134)  
}
```

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(106, 107, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 107, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.061, 291.052 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(106, 107, 134) }
```

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

```
.border{ border-color:rgb(106, 107, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 107, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 107, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 107, 134);  
box-shadow:4px 4px 4px 4px rgb(106, 107,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.061, 291.052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 107, 134) }
```

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

```
.background{ background-color: rgb(106,  
107, 134) }
```

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