

Converting Colors

CIELCh(46, 11.975, 245.536)

Have a look what the booklet for
CIELCh(46, 11.975, 245.536)
contains.

CIELCh(46, 11.986, 247.139)	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, 11.986, 247.139)

Conversions

Conversions Part 1

Format	Color
Hex	59707F
RGB	89, 112, 127
RGB Percent	35%, 44%, 50%
CMY	0.6507, 0.5605, 0.5016
CMYK	0.30, 0.12, 0.00, 0.50
HSL	204°, 18%, 42%
HSV	204°, 30%, 50%
XYZ	13.7669, 15.2687, 22.3288
YIQ	106.8330, -18.5230, -0.2110

Conversions

Conversions Part 2

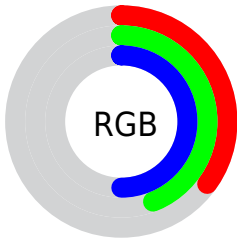
Format	Color
R_{YB}	89, 103, 127
Decimal	5861503
CIE _{Lab}	46.00, -4.66, -11.04
CIE _{LCh}	46, 11.986, 247.139
Yxy	15.2687, 0.2680, 0.2973
Android (android.graphics.Color)	4284051583 (0xFF59707F)
YUV	106.8330, 9.9423, -15.6395
Hunter-Lab	39.0751, -5.4924, -6.5276

Details

The CIELCh color **46, 11.986, 247.139** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 13.674, 60.411**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 12.015, 246.706**, and **26, 11.983, 248.954** is the 20% darker color. If you saturate the color by 10%, you get **44, 15.683, 248.993**, and if you desaturate by 10%, it is **48, 8.113, 245.610**.

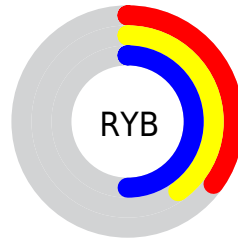
Distribution



Red (35%)

Green (44%)

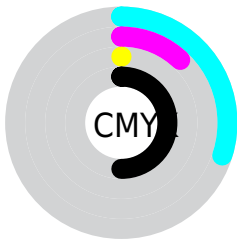
Blue (50%)



Red (35%)

Yellow (40%)

Blue (50%)

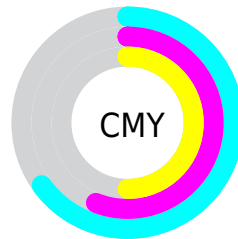


Cyan (30%)

Magenta (12%)

Yellow (0%)

Black (50%)



Cyan (65%)


Magenta (56%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.986, 247.139 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, 11.986, 247.139 by changing the saturation by 10% instead.


 46, 11.986,
247.139


 46, 11.986,
247.139


 100, 11.986,
247.139


 36, 11.986,
247.139

 66, 11.986,
247.139


 26, 11.986,
247.139

 76, 11.986,
247.139

 16, 11.986,
247.139


 86, 11.986,
247.139

 6, 11.986, 247.139

 96, 11.986,
247.139

 0, 11.986, 247.139

 46, 11.986,

 46, 11.986,

247.139

247.139

■ 44, 15.683,
248.993

■ 48, 8.113, 245.610

■ 41, 19.180,
251.247

■ 51, 4.096, 244.377

■ 53, 0.037, 54.498

■ 39, 22.458,
253.966

■ 56, 4.256, 62.289

■ 37, 25.520,
257.210

■ 58, 8.538, 61.588

■ 61, 12.863, 60.977

■ 35, 28.394,
261.013

■ 63, 17.214, 60.451

■ 33, 31.142,
265.353

■ 66, 21.577, 59.999

■ 68, 25.940, 59.607

■ 31, 33.922,
269.814

■ 31, 33.950,
269.854

Harmonies

Complementary

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



46, 11.986, 247.139



46, 13.674, 60.411

Rectangle

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



46, 11.986, 247.139



46, 11.986, 297.139



46, 11.986, 67.139



46, 11.986, 117.139

Sweetspot

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



46, 11.985, 247.135



65, 4.629, 244.304



50, 20.467, 155.422



34, 3.237, 244.439



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, 11.985, 247.135



57, 17.692, 248.388



41, 20.447, 288.763



26, 2.340, 244.292



32, 34.039, 269.872



0, 0.000, 0.000

Inverse Universe

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



43, 20.692, 340.715



52, 30.920, 341.356



51, 19.434, 101.886



25, 3.865, 339.000



27, 52.699, 351.415



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 11.986, 247.139 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, 11.986, 247.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

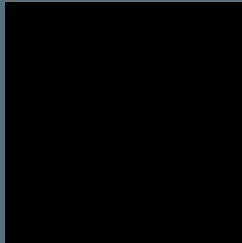
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

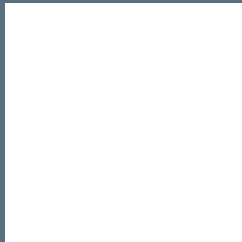
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 11.986, 247.139

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.986, 247.139.



This preview shows how white text looks on a background with the CIELCh color 46, 11.986, 247.139.

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, 11.986, 247.139

Protanopia

46, 9.533, 286.876

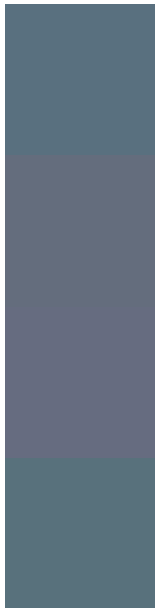
Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 10.517, 229.280

Trichromacy



Original Color
46, 11.986, 247.139

Protanomaly
46, 10.013, 271.688

Deuteranomaly
46, 12.053, 281.087

Tritanomaly
46, 11.065, 235.005

Monochromacy



Original Color
46, 11.986, 247.139

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.573, 239.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.986, 247.139 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(89, 112, 127)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 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(89, 112, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.986, 247.139 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(89, 112, 127) }
```

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

```
.border{ border-color:rgb(89, 112, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 127);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.986, 247.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 127) }
```

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

```
.background{ background-color: rgb(89, 112,  
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](#).

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