

Converting Colors

CIELCh(46, 12.296, 297.941)

Have a look what the booklet for
CIELCh(46, 12.296, 297.941)
contains.

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Color

CIELCh(46, 11.978, 297.295)

Conversions

Conversions Part 1

Format	Color
Hex	6E6B7F
RGB	110, 107, 127
RGB Percent	43%, 42%, 50%
CMY	0.5699, 0.5816, 0.5032
CMYK	0.13, 0.16, 0.00, 0.50
HSL	249°, 9%, 46%
HSV	249°, 16%, 50%
XYZ	15.4258, 15.2687, 22.1023
YIQ	110.1770, -4.6320, 6.8560

Conversions

Conversions Part 2

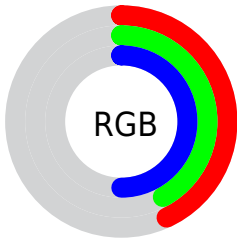
Format	Color
R_{YB}	110, 107, 127
Decimal	7236479
CIE _{Lab}	46.00, 5.49, -10.64
CIE _{LCh}	46, 11.978, 297.295
Yxy	15.2687, 0.2922, 0.2892
Android (android.graphics.Color)	4285426559 (0xFF6E6B7F)
YUV	110.1770, 8.2937, -0.1552
Hunter-Lab	39.0751, 2.0853, -6.1839

Details

The CIELCh color $46, 11.978, 297.295$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $52, 11.585, 114.928$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.319, 298.201$, and $26, 11.849, 296.466$ is the 20% darker color. If you saturate the color by 10%, you get $42, 19.941, 298.236$, and if you desaturate by 10%, it is $50, 4.309, 296.475$.

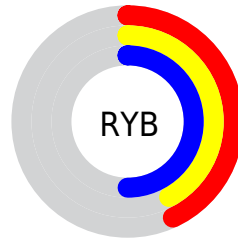
Distribution



Red (43%)

Green (42%)

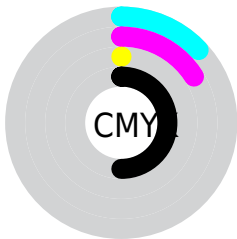
Blue (50%)



Red (43%)

Yellow (42%)

Blue (50%)

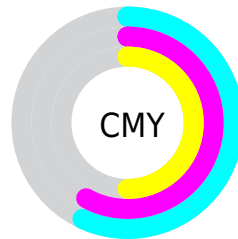


Cyan (13%)

Magenta (16%)

Yellow (0%)

Black (50%)



Cyan (57%)

Magenta (58%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 11.978, 297.295 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, 11.978, 297.295 by changing the saturation by 10% instead.

■ 46, 11.978,
297.295

■ 46, 11.978,
297.295

■ 100, 11.978,
297.295

■ 36, 11.978,
297.295

■ 66, 11.978,
297.295

■ 26, 11.978,
297.295

■ 76, 11.978,
297.295

■ 16, 11.978,
297.295

■ 86, 11.978,
297.295

■ 6, 11.978, 297.295

■ 96, 11.978,
297.295

■ 0, 11.978, 297.295

■ 46, 11.978,

■ 46, 11.978,

297.295

42, 19.941,
298.236

37, 28.209,
299.315

33, 36.764,
300.532

28, 45.544,
301.871

24, 54.379,
303.282

20, 62.901,
304.661

17, 70.435,
305.829

15, 76.257,
306.643

297.295

50, 4.309, 296.475

55, 3.078, 115.765

59, 10.200,
115.157

64, 17.074,
114.631

68, 23.716,
114.177

72, 30.143,
113.784

77, 36.366,
113.445

81, 42.400,
113.151

■ 14, 78.694,
307.071

■ 85, 48.256,
112.896

Harmonies

Complementary

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



46, 11.978, 297.295



52, 11.585, 114.928

Rectangle

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



46, 11.978, 297.295



46, 11.978, 347.295



46, 11.978, 117.295



46, 11.978, 167.295

Sweetspot

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



46, 11.977, 297.293



65, 4.640, 296.426



51, 6.765, 212.118



34, 3.193, 296.470



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, 11.977, 297.293



57, 18.092, 297.624



47, 12.904, 314.216



24, 4.249, 296.734



14, 79.066, 307.067



0, 0.000, 0.000

Inverse Universe

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



47, 12.856, 329.732



60, 19.312, 329.952



52, 12.717, 132.938



25, 4.600, 329.330



28, 61.705, 335.005



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 11.978, 297.295 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, 11.978, 297.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

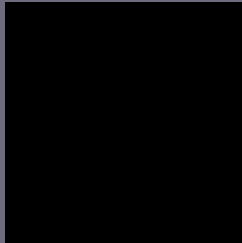
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 11.978, 297.295

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.978, 297.295.



This preview shows how white text looks on a background with the CIELCh color 46, 11.978, 297.295.

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, 11.978, 297.295

Protanopia

46, 11.922, 286.372

Deuteranopia

46, 12.689, 300.558



Tritanopia
46, 5.356, 290.926

Trichromacy



Original Color
46, 11.978, 297.295

Protanomaly
46, 11.889, 289.981

Deuteranomaly
46, 12.689, 300.558

Tritanomaly
46, 7.748, 294.132

Monochromacy



Original Color
46, 11.978, 297.295

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, 11.978, 297.295 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(110, 107, 127)` looks like.

```
.text, #text, p{  
    color:rgb(110, 107, 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(110, 107, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 107, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.978, 297.295 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(110, 107, 127) }
```

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

```
.border{ border-color:rgb(110, 107, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 107, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 107, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 107, 127);  
box-shadow:4px 4px 4px 4px rgb(110, 107,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.978, 297.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 107, 127) }
```

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

```
.background{ background-color: rgb(110,  
107, 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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