

Converting Colors

CIELCh(46, 26.193, 293.672)

Have a look what the booklet for
CIELCh(46, 26.193, 293.672)
contains.

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Color

CIELCh(46, 26.185, 293.683)

Conversions

Conversions Part 1

Format	Color
Hex	696995
RGB	105, 105, 149
RGB Percent	41%, 41%, 58%
CMY	0.5883, 0.5883, 0.4158
CMYK	0.30, 0.30, 0.00, 0.42
HSL	240°, 17%, 50%
HSV	240°, 30%, 58%
XYZ	16.2942, 15.2687, 30.5108
YIQ	110.0160, -14.1240, 13.6840

Conversions

Conversions Part 2

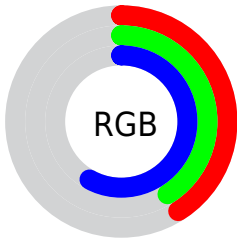
Format	Color
RYB	105, 105, 149
Decimal	6908309
CIELab	46.00, 10.52, -23.98
CIELCh	46, 26.185, 293.683
Yxy	15.2687, 0.2625, 0.2460
Android (android.graphics.Color)	4285098389 (0xFF696995)
YUV	110.0160, 19.2191, -4.3990
Hunter-Lab	39.0751, 6.0526, -18.9424

Details

The CIELCh color $46, 26.185, 293.683$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 24.428, 107.397$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 26.105, 293.589$, and $26, 26.183, 293.739$ is the 20% darker color. If you saturate the color by 10%, you get $41, 35.791, 295.287$, and if you desaturate by 10%, it is $51, 16.967, 292.307$.

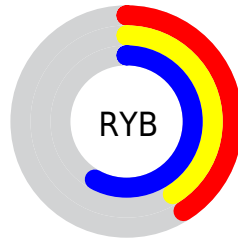
Distribution



Red (41%)

Green (41%)

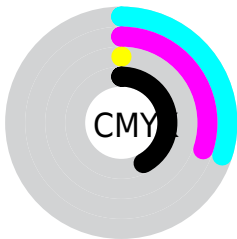
Blue (58%)



Red (41%)

Yellow (41%)

Blue (58%)

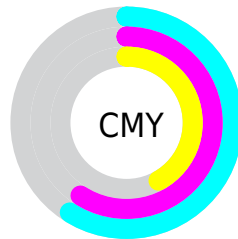


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (59%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 26.185, 293.683 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, 26.185, 293.683 by changing the saturation by 10% instead.

 46, 26.185,
293.683


 46, 26.185,
293.683


 100, 26.185,
293.683


 36, 26.185,
293.683

 66, 26.185,
293.683


 26, 26.185,
293.683

 76, 26.185,
293.683

 16, 26.185,
293.683

 86, 26.185,
293.683

 6, 26.185, 293.683

 96, 26.185,
293.683

 0, 26.185, 293.683

 46, 26.185,

 46, 26.185,

293.683

41, 35.791,
295.287

35, 45.783,
297.129

30, 56.070,
299.180

26, 66.373,
301.341

22, 76.024,
303.408

19, 83.836,
305.073

16, 89.357,
306.232

16, 89.622,
306.287

293.683

51, 16.967,
292.307

57, 8.121, 291.138

62, 0.381, 109.998

67, 8.565, 109.278

72, 16.454,
108.555

78, 24.069,
107.933

83, 31.428,
107.396

88, 38.548,
106.932

93, 45.444,

Harmonies

Complementary

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



46, 26.185, 293.683



61, 24.428, 107.397

Rectangle

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



46, 26.185, 293.683



46, 26.185, 343.683



46, 26.185, 113.683



46, 26.185, 163.683

Sweetspot

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



46, 26.184, 293.683



72, 9.494, 291.100



59, 15.668, 196.437



37, 6.594, 291.244



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 26.184, 293.683



55, 38.952, 294.645



48, 27.221, 309.908



28, 4.780, 291.102



15, 84.628, 306.287



0, 4.113, 290.177

Inverse Universe

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



49, 18.988, 21.761



60, 28.504, 22.533



59, 26.110, 127.135



29, 3.343, 19.891



28, 65.125, 38.928



1, 2.828, 19.403

Previews

White Background



This preview shows how the CIELCh color 46, 26.185, 293.683 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, 26.185, 293.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

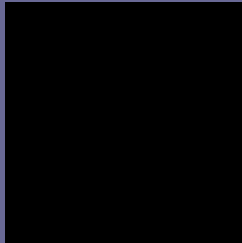
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 26.185, 293.683

Background



This preview shows how black text looks on a background with the CIELCh color 46, 26.185, 293.683.



This preview shows how white text looks on a background with the CIELCh color 46, 26.185, 293.683.

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

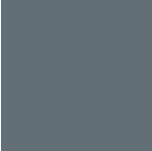
46, 26.185, 293.683

Protanopia

46, 26.281, 285.668

Deuteranopia

46, 24.500, 285.514



Tritanopia
46, 6.539, 245.845

Trichromacy



Original Color
46, 26.185, 293.683

Protanomaly
46, 26.208, 288.526

Deuteranomaly
46, 25.013, 288.848

Tritanomaly
46, 12.745, 278.443

Monochromacy



Original Color
46, 26.185, 293.683

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 9.515, 291.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 26.185, 293.683 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(105, 105, 149)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 149)  
}
```

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(105, 105, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 26.185, 293.683 is called "border". The border property can be set on classes, ids or directly on the HTML element.

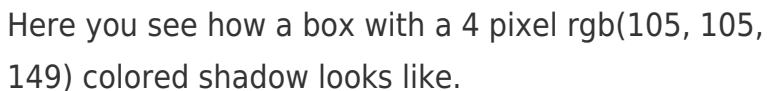
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 105, 149) }
```

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

```
.border{ border-color:rgb(105, 105, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 105, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 105, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 105, 149); box-shadow:4px 4px 4px 4px rgb(105, 105, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 26.185, 293.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 149) }
```

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

```
.background{ background-color: rgb(105,  
105, 149) }
```

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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