

Converting Colors

CIELCh(46, 25.540, 293.582)

Have a look what the booklet for
CIELCh(46, 25.540, 293.582)
contains.

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Color

CIELCh(46, 25.595, 293.610)

Conversions

Conversions Part 1

Format	Color
Hex	696994
RGB	105, 105, 148
RGB Percent	41%, 41%, 58%
CMY	0.5879, 0.5879, 0.4193
CMYK	0.29, 0.29, 0.00, 0.42
HSL	240°, 17%, 50%
HSV	240°, 29%, 58%
XYZ	16.2473, 15.2687, 30.1435
YIQ	109.9020, -13.8030, 13.3730

Conversions

Conversions Part 2

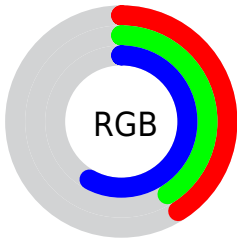
Format	Color
RYB	105, 105, 148
Decimal	6908308
CIELab	46.00, 10.25, -23.45
CIELCh	46, 25.595, 293.610
Yxy	15.2687, 0.2635, 0.2476
Android (android.graphics.Color)	4285098388 (0xFF696994)
YUV	109.9020, 18.7823, -4.2991
Hunter-Lab	39.0751, 5.8382, -18.3851

Details

The CIELCh color $46, 25.595, 293.610$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 23.910, 107.447$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 25.553, 293.554$, and $26, 25.540, 293.581$ is the 20% darker color. If you saturate the color by 10%, you get $41, 35.135, 295.201$, and if you desaturate by 10%, it is $51, 16.441, 292.246$.

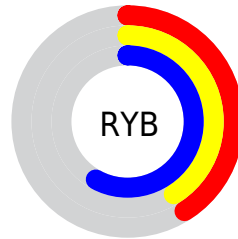
Distribution



Red (41%)

Green (41%)

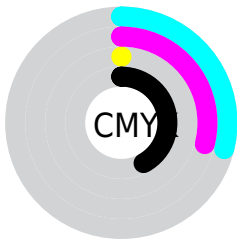
Blue (58%)



Red (41%)

Yellow (41%)

Blue (58%)

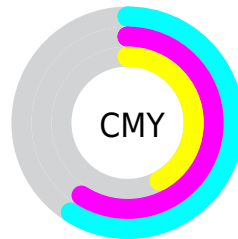


Cyan (29%)

Magenta (29%)

Yellow (0%)

Black (42%)



Cyan (59%)


Magenta (59%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.595, 293.610 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, 25.595, 293.610 by changing the saturation by 10% instead.


 46, 25.595,
293.610


 46, 25.595,
293.610


 100, 25.595,
293.610


 36, 25.595,
293.610

 66, 25.595,
293.610


 26, 25.595,
293.610

 76, 25.595,
293.610

 16, 25.595,
293.610

 86, 25.595,
293.610

 6, 25.595, 293.610

 96, 25.595,
293.610

 0, 25.595, 293.610

 46, 25.595,

 46, 25.595,

293.610

41, 35.135,
295.201

36, 45.059,
297.029

30, 55.286,
299.070

26, 65.550,
301.228

22, 75.214,
303.306

18, 83.122,
305.000

16, 88.688,
306.174

16, 89.233,
306.287

293.610

51, 16.441,
292.246

57, 7.656, 291.087

62, 0.789, 110.026

67, 8.918, 109.243

72, 16.755,
108.525

77, 24.321,
107.908

82, 31.632,
107.376

87, 38.707,
106.915

92, 45.560,

Harmonies

Complementary

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



46, 25.595, 293.610



60, 23.910, 107.447

Rectangle

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



46, 25.595, 293.610



46, 25.595, 343.610



46, 25.595, 113.610



46, 25.595, 163.610

Sweetspot

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



46, 25.594, 293.610



72, 9.392, 291.102



58, 15.305, 198.003



37, 6.594, 291.247



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, 25.594, 293.610



55, 38.533, 294.642



48, 26.689, 310.436



28, 4.780, 291.105



15, 84.629, 306.287



0, 4.113, 290.180

Inverse Universe

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



50, 29.818, 325.974



61, 44.104, 326.312



59, 25.659, 127.758



29, 5.775, 324.912



32, 73.085, 328.234



1, 5.023, 324.440

Previews

White Background



This preview shows how the CIELCh color 46, 25.595, 293.610 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, 25.595, 293.610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

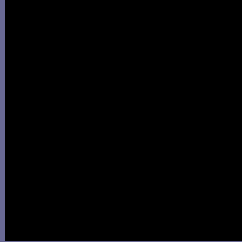
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.595, 293.610

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.595, 293.610.



This preview shows how white text looks on a background with the CIELCh color 46, 25.595, 293.610.

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

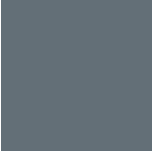
46, 25.595, 293.610

Protanopia

46, 25.700, 285.375

Deuteranopia

46, 24.466, 286.277



Tritanopia
46, 6.539, 245.845

Trichromacy



Original Color
46, 25.595, 293.610

Protanomaly
46, 25.621, 288.311

Deuteranomaly
46, 24.995, 289.612

Tritanomaly
46, 12.745, 278.443

Monochromacy



Original Color
46, 25.595, 293.610

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, 25.595, 293.610 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.595, 293.610 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, 148) }
```

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

```
.border{ border-color:rgb(105, 105, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 148);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.595, 293.610 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, 148) }
```

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

```
.background{ background-color: rgb(105,  
105, 148) }
```

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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