

Converting Colors

CIELCh(46, 23.449, 289.254)

Have a look what the booklet for
CIELCh(46, 23.449, 289.254)
contains.

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Color

CIELCh(46, 23.803, 290.050)

Conversions

Conversions Part 1

Format	Color
Hex	666A92
RGB	102, 106, 146
RGB Percent	40%, 42%, 57%
CMY	0.5992, 0.5835, 0.4266
CMYK	0.30, 0.27, 0.00, 0.43
HSL	235°, 18%, 49%
HSV	235°, 30%, 57%
XYZ	15.8829, 15.2687, 29.3922
YIQ	109.3640, -15.2240, 11.5920

Conversions

Conversions Part 2

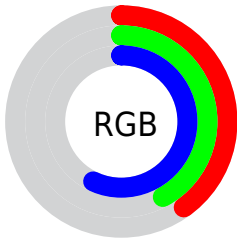
Format	Color
RYB	102, 106, 146
Decimal	6711954
CIELab	46.00, 8.16, -22.36
CIELCh	46, 23.803, 290.050
Yxy	15.2687, 0.2623, 0.2522
Android (android.graphics.Color)	4284902034 (0xFF666A92)
YUV	109.3640, 18.0615, -6.4582
Hunter-Lab	39.0751, 4.1735, -17.2451

Details

The CIELCh color $46, 23.803, 290.050$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 22.489, 103.164$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 23.865, 290.199$, and $26, 23.604, 289.753$ is the 20% darker color. If you saturate the color by 10%, you get $41, 32.321, 291.755$, and if you desaturate by 10%, it is $51, 15.604, 288.586$.

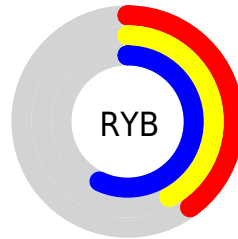
Distribution



Red (40%)

Green (42%)

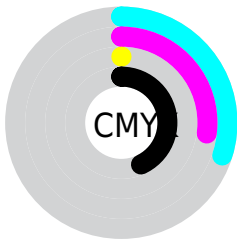
Blue (57%)



Red (40%)

Yellow (42%)

Blue (57%)

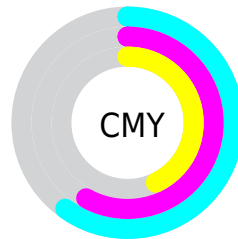


Cyan (30%)

Magenta (27%)

Yellow (0%)

Black (43%)



Cyan (60%)

Magenta (58%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 23.803, 290.050 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, 23.803, 290.050 by changing the saturation by 10% instead.

■ 46, 23.803,
290.050

■ 46, 23.803,
290.050

■ 100, 23.803,
290.050

■ 36, 23.803,
290.050

■ 66, 23.803,
290.050

■ 26, 23.803,
290.050

■ 76, 23.803,
290.050

■ 16, 23.803,
290.050

■ 86, 23.803,
290.050

■ 6, 23.803, 290.050

■ 96, 23.803,
290.050

■ 0, 23.803, 290.050

■ 46, 23.803,

■ 46, 23.803,

290.050

41, 32.321,
291.755

36, 41.176,
293.723

32, 50.347,
295.947

27, 59.716,
298.366

23, 68.950,
300.838

20, 77.347,
303.122

17, 83.870,
304.819

290.050

51, 15.604,
288.586

56, 7.705, 287.339

61, 0.081, 287.257

65, 7.288, 105.324

70, 14.420,
104.536

75, 21.328,
103.850

80, 28.027,
103.252

84, 34.529,
102.729

89, 40.844,

Harmonies

Complementary

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



46, 23.803, 290.050



59, 22.489, 103.164

Rectangle

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



46, 23.803, 290.050



46, 23.803, 340.050



46, 23.803, 110.050



46, 23.803, 160.050

Sweetspot

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



46, 23.802, 290.049



72, 8.536, 287.235



57, 16.135, 188.894



37, 5.991, 287.388



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, 23.802, 290.049



56, 35.889, 291.157



46, 27.020, 307.152



29, 4.344, 287.238



16, 80.023, 304.726



0, 3.745, 286.247

Inverse Universe

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



48, 18.947, 14.847



59, 28.741, 15.803



58, 25.697, 124.019



29, 3.362, 12.554



28, 62.214, 35.150



1, 2.858, 11.895

Previews

White Background



This preview shows how the CIELCh color 46, 23.803, 290.050 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, 23.803, 290.050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

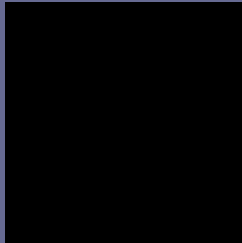
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 23.803, 290.050

Background



This preview shows how black text looks on a background with the CIELCh color 46, 23.803, 290.050.



This preview shows how white text looks on a background with the CIELCh color 46, 23.803, 290.050.

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, 23.803, 290.050

Protanopia

46, 23.917, 285.209

Deuteranopia

46, 23.266, 286.517



Tritanopia
46, 7.451, 245.060

Trichromacy



Original Color
46, 23.803, 290.050

Protanomaly
46, 23.851, 286.787

Deuteranomaly
46, 23.237, 287.340

Tritanomaly
46, 12.911, 275.306

Monochromacy



Original Color
46, 23.803, 290.050

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.336, 286.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 23.803, 290.050 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(102, 106, 146)` looks like.

```
.text, #text, p{  
    color:rgb(102, 106, 146)  
}
```

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(102, 106, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 106, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 23.803, 290.050 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(102, 106, 146) }
```

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

```
.border{ border-color:rgb(102, 106, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 106, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 106, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 106, 146);  
box-shadow:4px 4px 4px 4px rgb(102, 106,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 23.803, 290.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 106, 146) }
```

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

```
.background{ background-color: rgb(102,  
106, 146) }
```

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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