

Converting Colors

CIELCh(46, 38.010, 289.964)

Have a look what the booklet for
CIELCh(46, 38.010, 289.964)
contains.

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Color

CIELCh(46, 38.031, 289.674)

Conversions

Conversions Part 1

Format	Color
Hex	5D69A9
RGB	93, 105, 169
RGB Percent	36%, 41%, 66%
CMY	0.6356, 0.5886, 0.3376
CMYK	0.45, 0.38, 0.00, 0.34
HSL	231°, 31%, 51%
HSV	231°, 45%, 66%
XYZ	16.6999, 15.2687, 39.5558
YIQ	108.7080, -27.6960, 17.3600

Conversions

Conversions Part 2

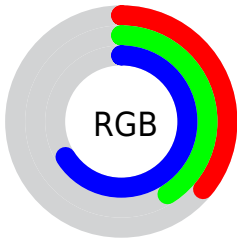
Format	Color
R _{YB}	93, 103, 169
Decimal	6121897
CIE Lab	46.00, 12.80, -35.81
CIE LCh	46, 38.031, 289.674
Yxy	15.2687, 0.2335, 0.2135
Android (android.graphics.Color)	4284311977 (0xFF5D69A9)
YUV	108.7080, 29.7240, -13.7759
Hunter-Lab	39.0751, 7.9055, -32.6667

Details

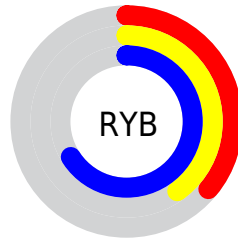
The CIELCh color `46, 38.031, 289.674` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 35.279, 97.782`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 38.258, 289.867`, and `26, 37.931, 289.631` is the 20% darker color. If you saturate the color by 10%, you get `41, 47.334, 291.920`, and if you desaturate by 10%, it is `51, 29.061, 287.721`.

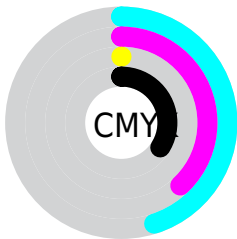
Distribution



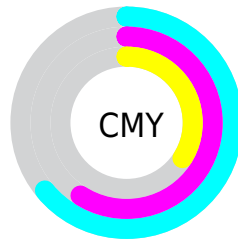
- Red (36%)
- Green (41%)
- Blue (66%)



- Red (36%)
- Yellow (40%)
- Blue (66%)



- Cyan (45%)
- Magenta (38%)
- Yellow (0%)
- Black (34%)





- Cyan (64%)
- Magenta (59%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.031, 289.674 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, 38.031, 289.674 by changing the saturation by 10% instead.

 46, 38.031,
289.674


 46, 38.031,
289.674


 100, 38.031,
289.674


 36, 38.031,
289.674

 66, 38.031,
289.674


 26, 38.031,
289.674

 76, 38.031,
289.674

 16, 38.031,
289.674

 86, 38.031,
289.674

 6, 38.031, 289.674

 96, 38.031,
289.674

 0, 38.031, 289.674

 46, 38.031,

 46, 38.031,

289.674

289.674

■ 41, 47.334,
291.920

■ 51, 29.061,
287.721

■ 36, 56.957,
294.444

■ 56, 20.409,
286.042

■ 31, 66.780,
297.170

■ 61, 12.048,
284.606

■ 27, 76.465,
299.937

■ 67, 3.955, 283.393

■ 24, 85.315,
302.489

■ 72, 3.890, 102.274

■ 22, 89.169,
303.529

■ 77, 11.503,
101.380

■ 82, 18.897,
100.591

■ 87, 26.085, 99.901

■ 92, 33.075, 99.295

Harmonies

Complementary

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



46, 38.031, 289.674



64, 35.279, 97.782

Rectangle

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



46, 38.031, 289.674



46, 38.031, 339.674



46, 38.031, 109.674



46, 38.031, 159.674

Sweetspot

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



46, 38.030, 289.674



79, 12.885, 284.377



64, 26.725, 181.723



41, 9.032, 284.655



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 38.030, 289.674



53, 57.479, 291.915



45, 46.097, 306.099



33, 4.495, 283.885



19, 80.195, 303.279



1, 8.296, 283.995

Inverse Universe

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



49, 33.026, 12.205



58, 49.615, 14.390



66, 42.104, 120.635



33, 3.799, 7.261



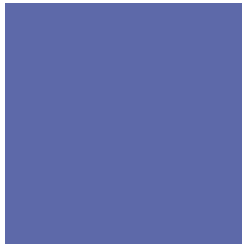
30, 63.048, 31.440



1, 6.716, 8.249

Previews

White Background



This preview shows how the CIELCh color 46, 38.031, 289.674 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, 38.031, 289.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

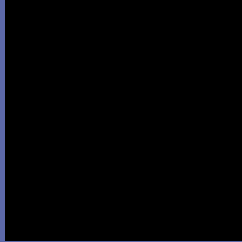
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 38.031, 289.674

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.031, 289.674.

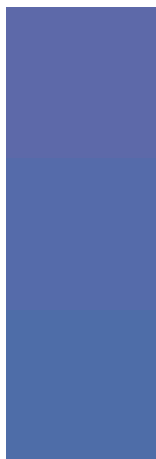


This preview shows how white text looks on a background with the CIELCh color 46, 38.031, 289.674.

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, 38.031, 289.674

Protanopia

46, 37.631, 285.180

Deuteranopia

46, 35.661, 280.178



Tritanopia
46, 13.327, 224.914

Trichromacy



Original Color
46, 38.031, 289.674

Protanomaly
46, 38.128, 287.107

Deuteranomaly
46, 35.990, 283.022

Tritanomaly
46, 19.002, 264.822

Monochromacy



Original Color
46, 38.031, 289.674

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.756, 284.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.031, 289.674 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(93, 105, 169)` looks like.

```
.text, #text, p{  
    color:rgb(93, 105, 169)  
}
```

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(93, 105, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 105, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.031, 289.674 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(93, 105, 169) }
```

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

```
.border{ border-color:rgb(93, 105, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 105, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 105, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 105, 169);  
box-shadow:4px 4px 4px 4px rgb(93, 105,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.031, 289.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 105, 169) }
```

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

```
.background{ background-color: rgb(93, 105,  
169) }
```

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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