

Converting Colors

CIELCh(46, 30.731, 282.721)

Have a look what the booklet for
CIELCh(46, 30.731, 282.721)
contains.

CIELCh(46, 30.650, 282.394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 30.650, 282.394)

Conversions

Conversions Part 1

Format	Color
Hex	586C9F
RGB	88, 108, 159
RGB Percent	35%, 42%, 62%
CMY	0.6554, 0.5769, 0.3770
CMYK	0.45, 0.32, 0.00, 0.38
HSL	223°, 29%, 48%
HSV	223°, 45%, 62%
XYZ	15.6107, 15.2687, 34.8687
YIQ	107.8340, -28.2910, 11.6210

Conversions

Conversions Part 2

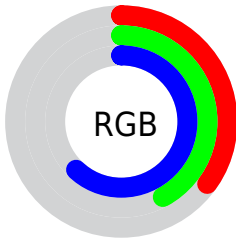
Format	Color
R _Y B	88, 104, 159
Decimal	5794975
CIE Lab	46.00, 6.58, -29.94
CIE LCh	46, 30.650, 282.394
Yxy	15.2687, 0.2374, 0.2322
Android (android.graphics.Color)	4283985055 (0xFF586C9F)
YUV	107.8340, 25.2248, -17.3944
Hunter-Lab	39.0751, 2.9302, -25.5548

Details

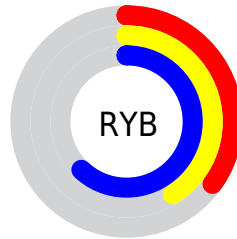
The CIELCh color **46, 30.650, 282.394** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **58, 29.991, 89.454**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 30.803, 282.627**, and **26, 30.494, 282.084** is the 20% darker color. If you saturate the color by 10%, you get **42, 37.979, 284.825**, and if you desaturate by 10%, it is **50, 23.514, 280.292**.

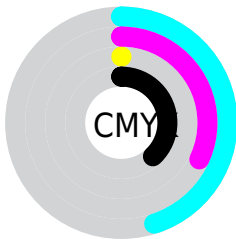
Distribution



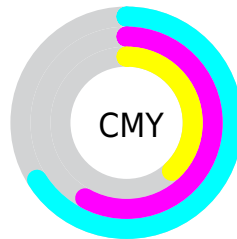
- Red (35%)
- Green (42%)
- Blue (62%)



- Red (35%)
- Yellow (41%)
- Blue (62%)



- Cyan (45%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)




- Cyan (66%)
- Magenta (58%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 30.650, 282.394 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, 30.650, 282.394 by changing the saturation by 10% instead.


 46, 30.650,
282.394


 46, 30.650,
282.394


 100, 30.650,
282.394


 36, 30.650,
282.394

 66, 30.650,
282.394


 26, 30.650,
282.394

 76, 30.650,
282.394

 16, 30.650,
282.394

 86, 30.650,
282.394

 6, 30.650, 282.394

 96, 30.650,
282.394

 0, 30.650, 282.394

 46, 30.650,

 46, 30.650,

282.394

282.394

■ 42, 37.979,
284.825

■ 50, 23.514,
280.292

■ 38, 45.528,
287.593

■ 55, 16.551,
278.486

■ 34, 53.305,
290.667

■ 59, 9.743, 276.941

■ 30, 61.258,
293.949

■ 63, 3.081, 275.645

■ 68, 3.442, 94.385

■ 26, 69.206,
297.255

■ 72, 9.831, 93.417

■ 25, 73.339,
298.842

■ 76, 16.089, 92.550

■ 81, 22.218, 91.785

■ 85, 28.221, 91.108

Harmonies

Complementary

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



46, 30.650, 282.394



58, 29.991, 89.454

Rectangle

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



46, 30.650, 282.394



46, 30.650, 332.394



46, 30.650, 102.394



46, 30.650, 152.394

Sweetspot

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



46, 30.649, 282.394



76, 10.665, 276.739



60, 27.535, 172.557



39, 7.538, 277.037



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 30.649, 282.394



54, 46.460, 284.915



42, 43.265, 302.495



31, 3.717, 276.201



22, 67.202, 298.532



1, 4.899, 276.056

Inverse Universe

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



46, 31.671, 2.804



55, 47.417, 4.900



63, 39.000, 115.761



31, 3.782, 358.030



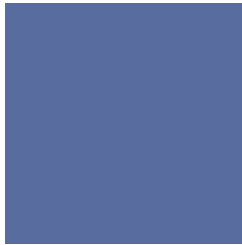
29, 57.042, 21.438



1, 4.821, 358.265

Previews

White Background



This preview shows how the CIELCh color 46, 30.650, 282.394 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, 30.650, 282.394 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

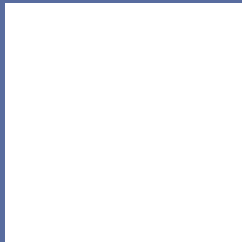
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 30.650, 282.394

Background



This preview shows how black text looks on a background with the CIELCh color 46, 30.650, 282.394.

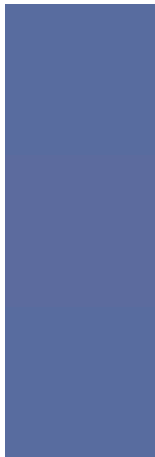


This preview shows how white text looks on a background with the CIELCh color 46, 30.650, 282.394.

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, 30.650, 282.394

Protanopia

46, 30.482, 285.184

Deuteranopia

46, 30.650, 282.394



Tritanopia
46, 14.002, 220.722

Trichromacy



Original Color
46, 30.650, 282.394

Protanomaly
46, 30.521, 284.626

Deuteranomaly
46, 30.650, 282.394

Tritanomaly
46, 17.637, 256.740

Monochromacy



Original Color
46, 30.650, 282.394

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 11.541, 278.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 30.650, 282.394 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(88, 108, 159)` looks like.

```
.text, #text, p{  
    color:rgb(88, 108, 159)  
}
```

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(88, 108, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 108, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 30.650, 282.394 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(88, 108, 159) }
```

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

```
.border{ border-color:rgb(88, 108, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 108, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 108, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 108, 159);  
box-shadow:4px 4px 4px 4px rgb(88, 108,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 30.650, 282.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 108, 159) }
```

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

```
.background{ background-color: rgb(88, 108,  
159) }
```

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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