

Converting Colors

CIELCh(46, 42.929, 285.702)

Have a look what the booklet for
CIELCh(46, 42.929, 285.702)
contains.

CIELCh(46, 42.990, 285.778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 42.990, 285.778)

Conversions

Conversions Part 1

Format	Color
Hex	4F6AB2
RGB	79, 106, 178
RGB Percent	31%, 42%, 70%
CMY	0.6889, 0.5832, 0.3007
CMYK	0.56, 0.40, 0.00, 0.30
HSL	224°, 39%, 51%
HSV	224°, 56%, 70%
XYZ	16.5013, 15.2687, 44.3610
YIQ	106.1350, -39.2040, 16.6680

Conversions

Conversions Part 2

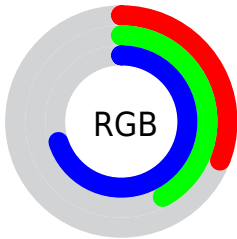
Format	Color
R_{YB}	79, 100, 178
Decimal	5204658
CIE _{Lab}	46.00, 11.69, -41.37
CIE _{LCh}	46, 42.990, 285.778
Yxy	15.2687, 0.2167, 0.2006
Android (android.graphics.Color)	4283394738 (0xFF4F6AB2)
YUV	106.1350, 35.4294, -23.7974
Hunter-Lab	39.0751, 6.9984, -39.9579

Details

The CIELCh color **46, 42.990, 285.778** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **64, 41.201, 88.656**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 42.879, 285.835**, and **26, 43.371, 286.168** is the 20% darker color. If you saturate the color by 10%, you get **41, 51.454, 288.595**, and if you desaturate by 10%, it is **51, 34.780, 283.300**.

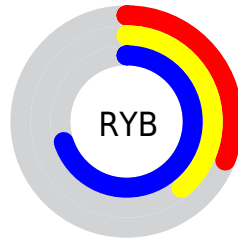
Distribution



Red (31%)

Green (42%)

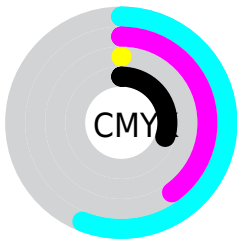
Blue (70%)



Red (31%)

Yellow (39%)

Blue (70%)

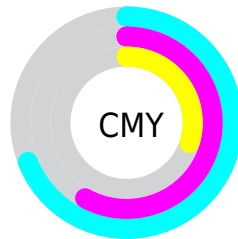


Cyan (56%)

Magenta (40%)

Yellow (0%)

Black (30%)



Cyan (69%)


Magenta (58%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 42.990, 285.778 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, 42.990, 285.778 by changing the saturation by 10% instead.


 46, 42.990,
285.778


 46, 42.990,
285.778


 100, 42.990,
285.778


 36, 42.990,
285.778

 66, 42.990,
285.778


 26, 42.990,
285.778

 76, 42.990,
285.778

 16, 42.990,
285.778

 86, 42.990,
285.778

 6, 42.990, 285.778

 96, 42.990,
285.778

 0, 42.990, 285.778

 46, 42.990,

 46, 42.990,

285.778

■ 41, 51.454,
288.595

■ 37, 60.173,
291.706

■ 33, 69.057,
294.994

■ 29, 77.845,
298.257

■ 28, 81.659,
299.572

285.778

■ 51, 34.780,
283.300

■ 56, 26.803,
281.155

■ 60, 19.030,
279.313

■ 65, 11.443,
277.739

■ 70, 4.027, 276.412

■ 75, 3.227, 95.140

■ 80, 10.323, 94.165

■ 84, 17.268, 93.289

■ 89, 24.064, 92.517

Harmonies

Complementary

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



46, 42.990, 285.778



64, 41.201, 88.656

Rectangle

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



46, 42.990, 285.778



46, 42.990, 335.778



46, 42.990, 105.778



46, 42.990, 155.778

Sweetspot

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



46, 42.989, 285.779



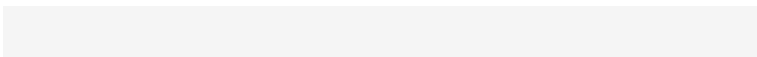
82, 15.564, 278.001



66, 36.306, 171.088



42, 10.518, 278.301



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 42.989, 285.779



52, 65.438, 289.390



41, 60.044, 303.793



35, 4.154, 276.886



23, 72.067, 299.177



2, 10.665, 279.780

Inverse Universe

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



47, 43.173, 5.841



56, 63.545, 9.299



69, 52.279, 115.157



35, 4.165, 358.721



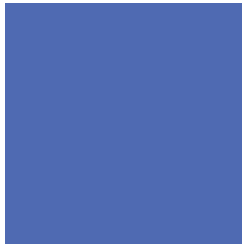
32, 60.403, 22.647



2, 9.610, 2.466

Previews

White Background



This preview shows how the CIE LCh color 46, 42.990, 285.778 looks on a white background.

Color Contrast Check

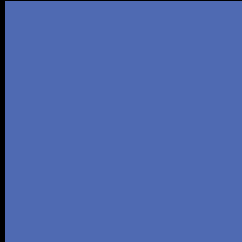
Large Text (above 18pt) WCAG AA ✓ Pass

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, 42.990, 285.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

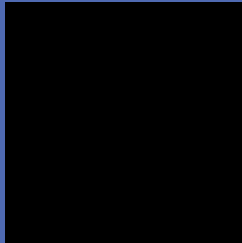
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 42.990, 285.778

Background



This preview shows how black text looks on a background with the CIELCh color 46, 42.990, 285.778.



This preview shows how white text looks on a background with the CIELCh color 46, 42.990, 285.778.

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, 42.990, 285.778

Protanopia

46, 42.958, 286.096

Deuteranopia

46, 41.806, 279.597



Tritanopia
46, 19.330, 215.625

Trichromacy



Original Color
46, 42.990, 285.778

Protanomaly
46, 42.958, 286.096

Deuteranomaly
46, 42.156, 281.712

Tritanomaly
46, 23.551, 255.628

Monochromacy



Original Color
46, 42.990, 285.778

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 15.827, 279.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 42.990, 285.778 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(79, 106, 178)` looks like.

```
.text, #text, p{  
    color:rgb(79, 106, 178)  
}
```

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(79, 106, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 106, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 42.990, 285.778 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(79, 106, 178) }
```

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

```
.border{ border-color:rgb(79, 106, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 106, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 106, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 106, 178);  
box-shadow:4px 4px 4px 4px rgb(79, 106,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 42.990, 285.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 106, 178) }
```

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

```
.background{ background-color: rgb(79, 106,  
178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor