

Converting Colors

CIELCh(46, 52.214, 299.537)

Have a look what the booklet for
CIELCh(46, 52.214, 299.537)
contains.

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Color

CIELCh(46, 51.677, 299.271)

Conversions

Conversions Part 1

Format	Color
Hex	6A62B9
RGB	106, 98, 185
RGB Percent	42%, 38%, 73%
CMY	0.5848, 0.6161, 0.2750
CMYK	0.43, 0.47, 0.00, 0.27
HSL	246°, 38%, 55%
HSV	246°, 47%, 73%
XYZ	19.0302, 15.2687, 47.7737
YIQ	110.3100, -23.1590, 28.7530

Conversions

Conversions Part 2

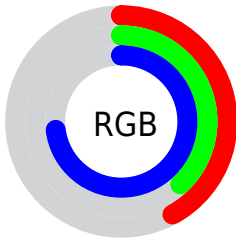
Format	Color
R _Y B	106, 98, 185
Decimal	6972089
CIE Lab	46.00, 25.27, -45.08
CIE LCh	46, 51.677, 299.271
Yxy	15.2687, 0.2319, 0.1860
Android (android.graphics.Color)	4285162169 (0xFF6A62B9)
YUV	110.3100, 36.8222, -3.7799
Hunter-Lab	39.0751, 18.5508, -45.1360

Details

The CIELCh color `46, 51.677, 299.271` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `73, 45.677, 109.996`, and the grayscale version is `46, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 51.757, 299.211`, and `26, 51.844, 299.356` is the 20% darker color. If you saturate the color by 10%, you get `40, 63.779, 300.914`, and if you desaturate by 10%, it is `52, 39.894, 297.787`.

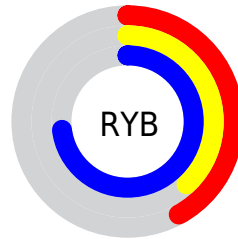
Distribution



Red (42%)

Green (38%)

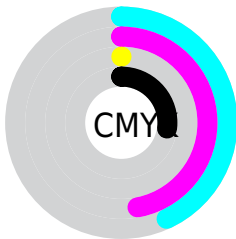
Blue (73%)



Red (42%)

Yellow (38%)

Blue (73%)

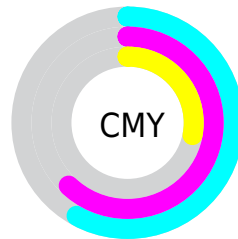


Cyan (43%)

Magenta (47%)

Yellow (0%)

Black (27%)



Cyan (58%)


Magenta (62%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 51.677, 299.271 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, 51.677, 299.271 by changing the saturation by 10% instead.


 46, 51.677,
299.271


 46, 51.677,
299.271


 100, 51.677,
299.271


 36, 51.677,
299.271

 66, 51.677,
299.271


 26, 51.677,
299.271

 76, 51.677,
299.271

 16, 51.677,
299.271

 86, 51.677,
299.271

 6, 51.677, 299.271

 96, 51.677,
299.271

 0, 51.677, 299.271

 46, 51.677,

 46, 51.677,

299.271

40, 63.779,
300.914

34, 75.897,
302.639

29, 87.339,
304.288

25, 96.864,
305.609

23, 103.078,
306.367

22, 104.594,
306.581

299.271

52, 39.894,
297.787

58, 28.538,
296.482

65, 17.629,
295.355


71, 7.151, 294.390

77, 2.921, 113.548

83, 12.615,
112.847

89, 21.957,
112.241

95, 30.971,
111.721

 99, 35.245,
107.492

Harmonies

Complementary

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



46, 51.677, 299.271



73, 45.677, 109.996

Rectangle

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



46, 51.677, 299.271



46, 51.677, 349.271



46, 51.677, 119.271



46, 51.677, 169.271

Sweetspot

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



46, 51.676, 299.272



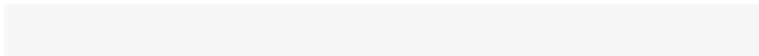
84, 17.776, 295.067



68, 25.171, 206.691



43, 12.317, 295.285



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 51.676, 299.272



52, 77.297, 300.892



50, 53.130, 314.038



36, 5.738, 294.596



18, 91.987, 306.634



1, 15.411, 292.956

Inverse Universe

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



54, 53.382, 329.712



65, 76.583, 330.245



70, 50.348, 129.755



36, 6.489, 327.532



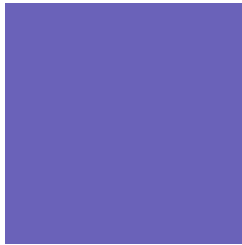
36, 74.405, 332.205



3, 17.139, 328.541

Previews

White Background



This preview shows how the CIELCh color 46, 51.677, 299.271 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, 51.677, 299.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

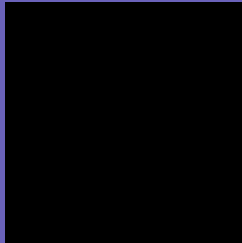
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 51.677, 299.271

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.677, 299.271.




This preview shows how white text looks on a background with the CIELCh color 46, 51.677, 299.271.

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





Tritanopia
46, 9.932, 231.357

Trichromacy



Original Color
46, 51.677, 299.271

Protanomaly
46, 51.596, 290.666

Deuteranomaly
46, 45.923, 286.097

Tritanomaly
46, 22.229, 282.486

Monochromacy



Original Color
46, 51.677, 299.271

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 18.508, 296.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.677, 299.271 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(106, 98, 185)` looks like.

```
.text, #text, p{  
    color:rgb(106, 98, 185)  
}
```

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(106, 98, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 98, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.677, 299.271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

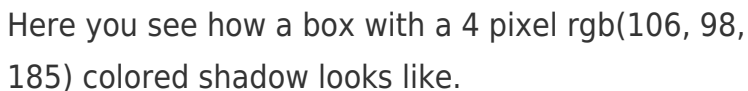
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 98, 185) }
```

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

```
.border{ border-color:rgb(106, 98, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 98, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 98, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 98, 185); box-shadow:4px 4px 4px 4px rgb(106, 98, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.677, 299.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 98, 185) }
```

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

```
.background{ background-color: rgb(106, 98,  
185) }
```

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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