

Converting Colors

CIELCh(46, 46.115, 296.273)

Have a look what the booklet for
CIELCh(46, 46.115, 296.273)
contains.

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Color

CIELCh(46, 45.699, 296.058)

Conversions

Conversions Part 1

Format	Color
Hex	6565B2
RGB	101, 101, 178
RGB Percent	40%, 40%, 70%
CMY	0.6042, 0.6042, 0.3022
CMYK	0.43, 0.43, 0.00, 0.30
HSL	240°, 33%, 55%
HSV	240°, 43%, 70%
XYZ	18.0347, 15.2687, 44.0775
YIQ	109.7780, -24.7170, 23.9470

Conversions

Conversions Part 2

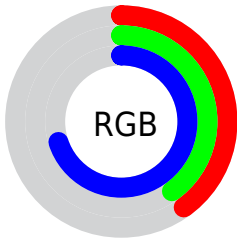
Format	Color
R_{YB}	101, 101, 178
Decimal	6645170
CIE _{Lab}	46.00, 20.07, -41.05
CIE _{LCh}	46, 45.699, 296.058
Yxy	15.2687, 0.2331, 0.1973
Android (android.graphics.Color)	4284835250 (0xFF6565B2)
YUV	109.7780, 33.6334, -7.6983
Hunter-Lab	39.0751, 14.0031, -39.5277

Details

The CIELCh color $46, 45.699, 296.058$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $71, 40.821, 106.082$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 45.511, 295.852$, and $26, 46.153, 296.316$ is the 20% darker color. If you saturate the color by 10%, you get $40, 57.420, 298.027$, and if you desaturate by 10%, it is $52, 34.399, 294.328$.

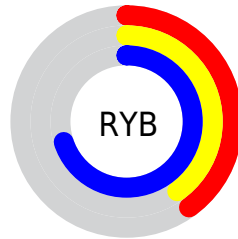
Distribution



Red (40%)

Green (40%)

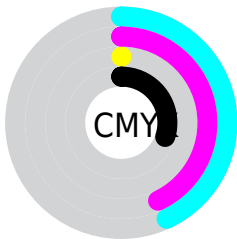
Blue (70%)



Red (40%)

Yellow (40%)

Blue (70%)

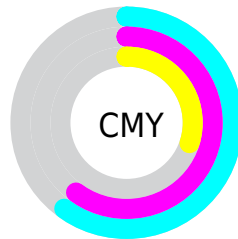


Cyan (43%)

Magenta (43%)

Yellow (0%)

Black (30%)



Cyan (60%)


Magenta (60%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 45.699, 296.058 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, 45.699, 296.058 by changing the saturation by 10% instead.


 46, 45.699,
296.058


 46, 45.699,
296.058


 100, 45.699,
296.058


 36, 45.699,
296.058

 66, 45.699,
296.058


 26, 45.699,
296.058

 76, 45.699,
296.058

 16, 45.699,
296.058

 86, 45.699,
296.058

 6, 45.699, 296.058

 96, 45.699,
296.058

 0, 45.699, 296.058

 46, 45.699,

 46, 45.699,

296.058

40, 57.420,
298.027

34, 69.380,
300.177

29, 81.065,
302.357

25, 91.393,
304.298

22, 98.744,
305.663

21, 102.145,
306.286

296.058

52, 34.399,
294.328

58, 23.560,
292.839

64, 13.167,
291.573

71, 3.190, 290.510

77, 6.403, 109.567

83, 15.641,
108.794

89, 24.549,
108.129

95, 33.150,
107.558

■ 98, 38.663,
107.228

Harmonies

Complementary

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



46, 45.699, 296.058



71, 40.821, 106.082

Rectangle

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



46, 45.699, 296.058



46, 45.699, 346.058



46, 45.699, 116.058



46, 45.699, 166.058

Sweetspot

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



46, 45.698, 296.058



82, 16.002, 291.567



68, 25.007, 195.759



42, 11.337, 291.827



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, 45.698, 296.058



53, 69.503, 297.950



49, 46.769, 310.695



34, 5.590, 291.128



17, 91.387, 306.286



1, 13.316, 290.176

Inverse Universe

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



51, 33.775, 23.763



61, 51.794, 25.622



68, 43.836, 126.468



35, 3.911, 19.907



31, 70.928, 39.524



2, 9.156, 19.401

Previews

White Background



This preview shows how the CIE LCh color 46, 45.699, 296.058 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, 45.699, 296.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

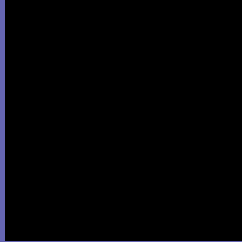
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 45.699, 296.058

Background



This preview shows how black text looks on a background with the CIELCh color 46, 45.699, 296.058.



This preview shows how white text looks on a background with the CIELCh color 46, 45.699, 296.058.

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, 11.105, 227.442

Trichromacy



Original Color
46, 45.699, 296.058

Protanomaly
46, 45.731, 289.802

Deuteranomaly
46, 42.389, 285.853

Tritanomaly
46, 20.330, 275.191

Monochromacy



Original Color
46, 45.699, 296.058

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 16.655, 292.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 45.699, 296.058 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(101, 101, 178)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 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(101, 101, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 45.699, 296.058 is called "border". The border property can be set on classes, ids or directly on the HTML element.

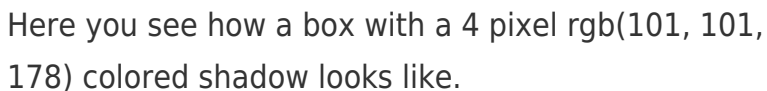
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 101, 178) }
```

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

```
.border{ border-color:rgb(101, 101, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 101, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 178);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 45.699, 296.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 101, 178) }
```

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

```
.background{ background-color: rgb(101,  
101, 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](#).

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