

Converting Colors

CIELCh(46, 44.551, 295.962)

Have a look what the booklet for
CIELCh(46, 44.551, 295.962)
contains.

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Color

CIELCh(46, 44.541, 295.933)

Conversions

Conversions Part 1

Format	Color
Hex	6565B0
RGB	101, 101, 176
RGB Percent	40%, 40%, 69%
CMY	0.6031, 0.6031, 0.3089
CMYK	0.43, 0.43, 0.00, 0.31
HSL	240°, 32%, 54%
HSV	240°, 43%, 69%
XYZ	17.9227, 15.2687, 43.1918
YIQ	109.5500, -24.0750, 23.3250

Conversions

Conversions Part 2

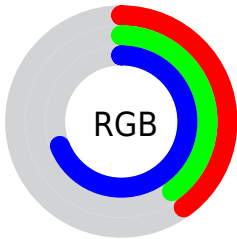
Format	Color
R_{YB}	101, 101, 176
Decimal	6645168
CIE _{Lab}	46.00, 19.48, -40.06
CIE _{LCh}	46, 44.541, 295.933
Yxy	15.2687, 0.2346, 0.1999
Android (android.graphics.Color)	4284835248 (0xFF6565B0)
YUV	109.5500, 32.7599, -7.4983
Hunter-Lab	39.0751, 13.4914, -38.1838

Details

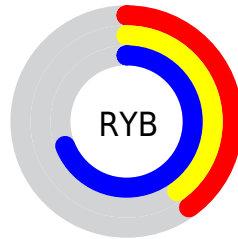
The CIELCh color $46, 44.541, 295.933$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $70, 39.884, 106.164$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 44.418, 295.790$, and $26, 44.916, 296.055$ is the 20% darker color. If you saturate the color by 10%, you get $40, 56.144, 297.883$, and if you desaturate by 10%, it is $52, 33.362, 294.223$.

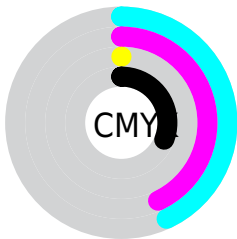
Distribution



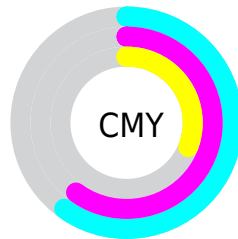
- Red (40%)
- Green (40%)
- Blue (69%)



- Red (40%)
- Yellow (40%)
- Blue (69%)



- Cyan (43%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (60%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 44.541, 295.933 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, 44.541, 295.933 by changing the saturation by 10% instead.

 46, 44.541,
295.933


 46, 44.541,
295.933


 100, 44.541,
295.933

 36, 44.541,
295.933

 66, 44.541,
295.933

 26, 44.541,
295.933

 76, 44.541,
295.933

 16, 44.541,
295.933

 86, 44.541,
295.933

 6, 44.541, 295.933

 96, 44.541,
295.933

 0, 44.541, 295.933

 46, 44.541,

 46, 44.541,

295.933

■ 40, 56.144,
297.883

■ 34, 68.005,
300.020

■ 29, 79.648,
302.202

■ 25, 90.049,
304.170

■ 22, 97.623,
305.587

■ 21, 101.420,
306.288

295.933

■ 52, 33.362,
294.223

■ 58, 22.639,
292.753

■ 64, 12.358,
291.503


■ 70, 2.486, 290.459

■ 76, 7.008, 109.523

■ 82, 16.150,
108.759

■ 88, 24.968,
108.102

■ 94, 33.482,
107.537

 98, 39.499,
107.164

Harmonies

Complementary

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



46, 44.541, 295.933



70, 39.884, 106.164

Rectangle

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



46, 44.541, 295.933



46, 44.541, 345.933



46, 44.541, 115.933



46, 44.541, 165.933

Sweetspot

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



46, 44.540, 295.933



81, 15.860, 291.579



67, 24.369, 197.440



41, 11.134, 291.835



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 44.540, 295.933



53, 67.423, 297.743



49, 45.709, 311.184



34, 5.590, 291.141



17, 91.388, 306.288



1, 13.317, 290.186

Inverse Universe

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



54, 49.766, 326.680



65, 72.592, 327.101



68, 43.005, 127.100



35, 6.749, 324.932



36, 78.910, 328.243



3, 16.257, 324.450

Previews

White Background



This preview shows how the CIELCh color 46, 44.541, 295.933 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, 44.541, 295.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

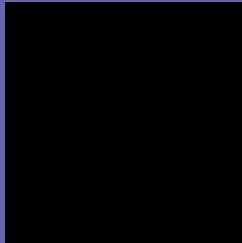
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 44.541, 295.933

Background



This preview shows how black text looks on a background with the CIELCh color 46, 44.541, 295.933.

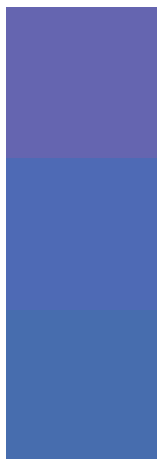


This preview shows how white text looks on a background with the CIELCh color 46, 44.541, 295.933.

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, 44.541, 295.933

Protanopia

46, 44.727, 286.197

Deuteranopia

46, 39.332, 279.907



Tritanopia
46, 10.811, 228.334

Trichromacy



Original Color
46, 44.541, 295.933

Protanomaly
46, 44.581, 289.450

Deuteranomaly
46, 41.183, 286.034

Tritanomaly
46, 20.247, 276.075

Monochromacy



Original Color
46, 44.541, 295.933

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 16.063, 292.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 44.541, 295.933 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 44.541, 295.933 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, 176) }
```

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

```
.border{ border-color:rgb(101, 101, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 176);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 44.541, 295.933 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, 176) }
```

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

```
.background{ background-color: rgb(101,  
101, 176) }
```

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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