

Converting Colors

CIELCh(46, 28.911, 289.516)

Have a look what the booklet for
CIELCh(46, 28.911, 289.516)
contains.

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Color

CIELCh(46, 28.552, 289.325)

Conversions

Conversions Part 1

Format	Color
Hex	636A9A
RGB	99, 106, 154
RGB Percent	39%, 42%, 60%
CMY	0.6121, 0.5846, 0.3964
CMYK	0.36, 0.31, 0.00, 0.40
HSL	232°, 22%, 50%
HSV	232°, 36%, 60%
XYZ	16.1068, 15.2687, 32.6307
YIQ	109.3790, -19.5800, 13.4440

Conversions

Conversions Part 2

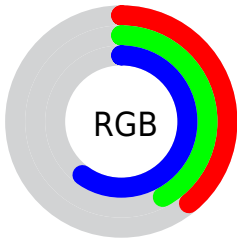
Format	Color
R_{YB}	99, 105, 154
Decimal	6515354
CIE Lab	46.00, 9.45, -26.94
CIE LCh	46, 28.552, 289.325
Yxy	15.2687, 0.2516, 0.2386
Android (android.graphics.Color)	4284705434 (0xFF636A9A)
YUV	109.3790, 21.9982, -9.1024
Hunter-Lab	39.0751, 5.1962, -22.1590

Details

The CIELCh color $46, 28.552, 289.325$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 26.834, 100.620$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 28.858, 289.223$, and $26, 28.810, 289.376$ is the 20% darker color. If you saturate the color by 10%, you get $41, 37.224, 291.236$, and if you desaturate by 10%, it is $51, 20.197, 287.679$.

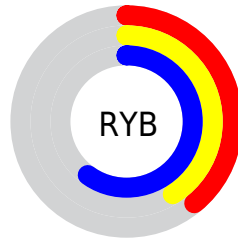
Distribution



Red (39%)

Green (42%)

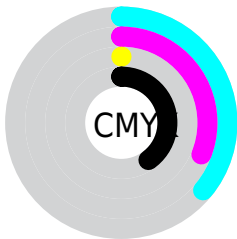
Blue (60%)



Red (39%)

Yellow (41%)

Blue (60%)

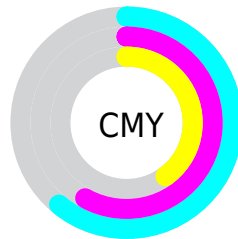


Cyan (36%)

Magenta (31%)

Yellow (0%)

Black (40%)



Cyan (61%)


Magenta (58%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 28.552, 289.325 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, 28.552, 289.325 by changing the saturation by 10% instead.


 46, 28.552,
289.325


 46, 28.552,
289.325


 100, 28.552,
289.325


 36, 28.552,
289.325

 66, 28.552,
289.325


 26, 28.552,
289.325

 76, 28.552,
289.325

 16, 28.552,
289.325

 86, 28.552,
289.325

 6, 28.552, 289.325

 96, 28.552,
289.325

 0, 28.552, 289.325

 46, 28.552,

 46, 28.552,

289.325

■ 41, 37.224,
291.236

■ 36, 46.225,
293.425

■ 32, 55.518,
295.869

■ 27, 64.940,
298.479

■ 23, 74.072,
301.074

■ 20, 82.125,
303.378

■ 19, 85.028,
304.137

289.325

■ 51, 20.197,
287.679

■ 56, 12.140,
286.271

■ 61, 4.355, 285.077

■ 66, 3.178, 103.987

■ 70, 10.476,
103.115

■ 75, 17.554,
102.345

■ 80, 24.424,
101.672

■ 85, 31.098,
101.083

■ 90, 37.586,
100.564

Harmonies

Complementary

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



46, 28.552, 289.325



60, 26.834, 100.620

Rectangle

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



46, 28.552, 289.325



46, 28.552, 339.325



46, 28.552, 109.325



46, 28.552, 159.325

Sweetspot

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



46, 28.551, 289.325



74, 10.385, 285.705



60, 19.929, 185.510



38, 6.973, 285.854



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 28.551, 289.325



54, 42.981, 290.851



46, 33.594, 306.432



30, 4.295, 285.469



17, 78.992, 303.970



1, 4.591, 284.552

Inverse Universe

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



48, 23.835, 12.874



58, 35.984, 14.252



61, 31.483, 122.440



30, 3.482, 9.651



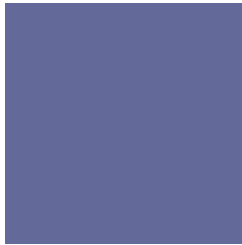
28, 61.714, 33.175



1, 3.663, 9.111

Previews

White Background



This preview shows how the CIELCh color 46, 28.552, 289.325 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, 28.552, 289.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

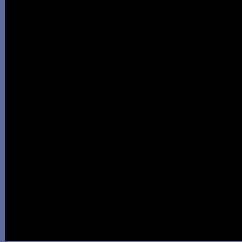
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.552, 289.325

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.552, 289.325.



This preview shows how white text looks on a background with the CIELCh color 46, 28.552, 289.325.

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, 28.552, 289.325

Protanopia

46, 28.674, 285.504

Deuteranopia

46, 27.556, 283.591



Tritanopia
46, 9.362, 233.734

Trichromacy



Original Color
46, 28.552, 289.325

Protanomaly
46, 28.607, 286.744

Deuteranomaly
46, 28.059, 285.849

Tritanomaly
46, 14.637, 268.910

Monochromacy



Original Color
46, 28.552, 289.325

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.152, 285.106

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.552, 289.325 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(99, 106, 154)` looks like.

```
.text, #text, p{  
    color:rgb(99, 106, 154)  
}
```

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(99, 106, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 106, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.552, 289.325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

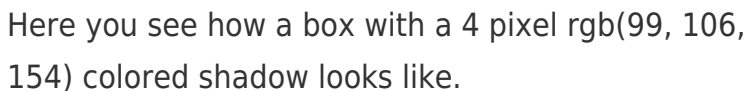
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 106, 154) }
```

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

```
.border{ border-color:rgb(99, 106, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 106, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 106, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 106, 154); box-shadow:4px 4px 4px 4px rgb(99, 106, 154) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.552, 289.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 106, 154) }
```

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

```
.background{ background-color: rgb(99, 106,  
154) }
```

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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