

Converting Colors

CIELCh(45, 43.734, 291.136)

Have a look what the booklet for
CIELCh(45, 43.734, 291.136)
contains.

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Color

CIELCh(45, 44.083, 291.490)

Conversions

Conversions Part 1

Format	Color
Hex	5965AF
RGB	89, 101, 175
RGB Percent	35%, 40%, 69%
CMY	0.6507, 0.6037, 0.3135
CMYK	0.49, 0.42, 0.00, 0.31
HSL	232°, 35%, 52%
HSV	232°, 49%, 69%
XYZ	16.5278, 14.5417, 42.5236
YIQ	105.8480, -30.9060, 20.4700

Conversions

Conversions Part 2

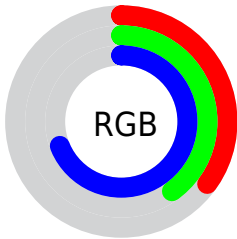
Format	Color
R _Y B	89, 100, 175
Decimal	5858735
CIE Lab	45.00, 16.15, -41.02
CIE LCh	45, 44.083, 291.490
Yxy	14.5417, 0.2246, 0.1976
Android (android.graphics.Color)	4284048815 (0xFF5965AF)
YUV	105.8480, 34.0919, -14.7757
Hunter-Lab	38.1336, 10.6316, -39.4221

Details

The CIELCh color `45, 44.083, 291.490` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `67, 40.172, 98.401`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 43.896, 291.489`, and `25, 43.896, 291.357` is the 20% darker color. If you saturate the color by 10%, you get `40, 54.057, 293.832`, and if you desaturate by 10%, it is `50, 34.464, 289.435`.

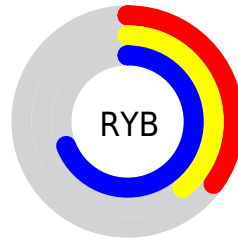
Distribution



Red (35%)

Green (40%)

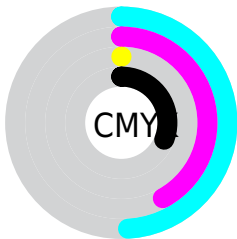
Blue (69%)



Red (35%)

Yellow (39%)

Blue (69%)

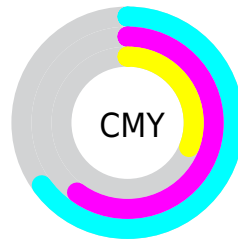


Cyan (49%)

Magenta (42%)

Yellow (0%)

Black (31%)



Cyan (65%)

Magenta (60%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 44.083, 291.490 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 45, 44.083, 291.490 by changing the saturation by 10% instead.

■ 45, 44.083,
291.490

■ 45, 44.083,
291.490

■ 100, 44.083,
291.490

■ 35, 44.083,
291.490

■ 65, 44.083,
291.490

■ 25, 44.083,
291.490

■ 75, 44.083,
291.490

■ 15, 44.083,
291.490

■ 85, 44.083,
291.490

■ 5, 44.083, 291.490

■ 95, 44.083,
291.490

■ 0, 44.083, 291.490

■ 45, 44.083,

■ 45, 44.083,

291.490

■ 40, 54.057,
293.832

■ 35, 64.318,
296.415

■ 30, 74.617,
299.121

■ 26, 84.371,
301.731

■ 23, 92.617,
303.909

■ 23, 93.239,
304.059

291.490

■ 50, 34.464,
289.435

■ 56, 25.201,
287.661

■ 61, 16.268,
286.142

■ 67, 7.638, 284.849

■ 72, 0.712, 103.561

■ 77, 8.801, 102.749

■ 83, 16.646,
101.927

■ 88, 24.262,
101.210

■ 93, 31.660,

Harmonies

Complementary

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



45, 44.083, 291.490



67, 40.172, 98.401

Rectangle

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



45, 44.083, 291.490



45, 44.083, 341.490



45, 44.083, 111.490



45, 44.083, 161.490

Sweetspot

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



45, 44.082, 291.491



80, 15.658, 285.617



66, 29.229, 182.738



41, 10.805, 285.893



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 44.082, 291.491



51, 66.731, 294.054



44, 52.127, 306.949



34, 4.703, 284.869



19, 82.669, 303.804



1, 10.084, 285.130

Inverse Universe

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



49, 37.395, 14.487



57, 56.084, 17.164



68, 47.240, 121.115



34, 3.876, 8.714



31, 64.673, 32.749



2, 7.925, 10.033

Previews

White Background



This preview shows how the CIELCh color 45, 44.083, 291.490 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 45, 44.083, 291.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

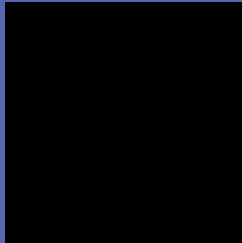
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 44.083, 291.490

Background



This preview shows how black text looks on a background with the CIELCh color 45, 44.083, 291.490.

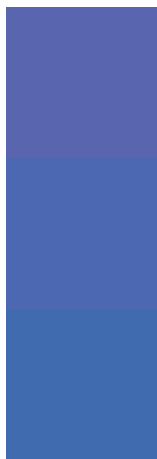


This preview shows how white text looks on a background with the CIELCh color 45, 44.083, 291.490.

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

45, 44.083, 291.490

Protanopia

45, 44.286, 286.118

Deuteranopia

45, 40.766, 279.351



Tritanopia
45, 14.857, 219.334

Trichromacy



Original Color
45, 44.083, 291.490

Protanomaly
45, 44.175, 288.037

Deuteranomaly
45, 41.529, 283.477

Tritanomaly
45, 21.063, 264.731

Monochromacy



Original Color
45, 44.083, 291.490

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 16.181, 287.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 44.083, 291.490 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(89, 101, 175)` looks like.

```
.text, #text, p{  
    color:rgb(89, 101, 175)  
}
```

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(89, 101, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 101, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 44.083, 291.490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

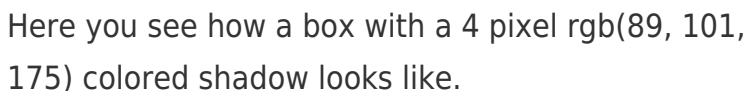
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 101, 175) }
```

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

```
.border{ border-color:rgb(89, 101, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 101, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 101, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 101, 175);  
box-shadow:4px 4px 4px 4px rgb(89, 101,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 44.083, 291.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 101, 175) }
```

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

```
.background{ background-color: rgb(89, 101,  
175) }
```

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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