

Converting Colors

CIELCh(45, 55.823, 289.246)

Have a look what the booklet for
CIELCh(45, 55.823, 289.246)
contains.

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Color

CIELCh(45, 56.002, 289.350)

Conversions

Conversions Part 1

Format	Color
Hex	4465C3
RGB	68, 101, 195
RGB Percent	27%, 40%, 76%
CMY	0.7321, 0.6031, 0.2343
CMYK	0.65, 0.48, 0.00, 0.23
HSL	224°, 52%, 52%
HSV	224°, 65%, 77%
XYZ	16.9591, 14.5417, 53.6948
YIQ	101.8490, -49.8420, 22.2380

Conversions

Conversions Part 2

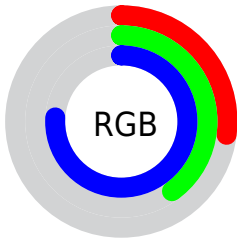
Format	Color
RYB	68, 94, 195
Decimal	4482499
CIELab	45.00, 18.56, -52.84
CIElCh	45, 56.002, 289.350
Yxy	14.5417, 0.1991, 0.1707
Android (android.graphics.Color)	4282672579 (0xFF4465C3)
YUV	101.8490, 45.9234, -29.6856
Hunter-Lab	38.1336, 12.6500, -56.7909

Details

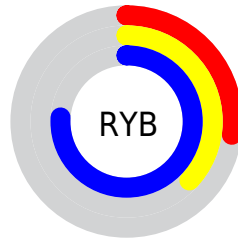
The CIELCh color **45, 56.002, 289.350** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **68, 51.969, 88.274**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.164, 289.477**, and **26, 55.912, 292.195** is the 20% darker color. If you saturate the color by 10%, you get **40, 65.593, 292.440**, and if you desaturate by 10%, it is **50, 46.689, 286.551**.

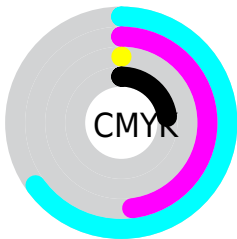
Distribution



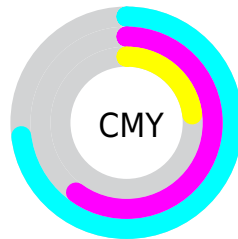
- Red (27%)
- Green (40%)
- Blue (76%)



- Red (27%)
- Yellow (37%)
- Blue (76%)



- Cyan (65%)
- Magenta (48%)
- Yellow (0%)
- Black (23%)





- Cyan (73%)
- Magenta (60%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 56.002, 289.350 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, 56.002, 289.350 by changing the saturation by 10% instead.


 45, 56.002,
289.350


 45, 56.002,
289.350


 100, 56.002,
289.350


 35, 56.002,
289.350

 65, 56.002,
289.350


 25, 56.002,
289.350

 75, 56.002,
289.350

 15, 56.002,
289.350

 85, 56.002,
289.350

 5, 56.002, 289.350

 95, 56.002,
289.350

 0, 56.002, 289.350

 45, 56.002,

 45, 56.002,

289.350

289.350

■ 40, 65.593,
292.440

■ 50, 46.689,
286.551

■ 36, 75.344,
295.693

■ 55, 37.669,
284.086

■ 32, 84.919,
298.902

■ 60, 28.916,
281.954

■ 30, 89.468,
300.338

■ 66, 20.401,
280.126

■ 71, 12.102,
278.564

■ 76, 4.003, 277.251

■ 82, 3.909, 95.997

■ 87, 11.639, 95.027

■ 92, 19.196, 94.160

Harmonies

Complementary

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



45, 56.002, 289.350



68, 51.969, 88.274

Rectangle

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



45, 56.002, 289.350



45, 56.002, 339.350



45, 56.002, 109.350



45, 56.002, 159.350

Sweetspot

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



45, 56.002, 289.351



87, 20.141, 279.360



72, 43.406, 170.914



44, 13.788, 279.818



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 56.002, 289.351



50, 85.216, 293.804



39, 76.373, 305.356



38, 4.512, 277.788



24, 76.339, 299.886



3, 16.004, 282.926

Inverse Universe

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



48, 53.866, 9.486



57, 77.490, 14.585



75, 64.522, 115.530



38, 4.433, 359.665



33, 63.139, 24.021



3, 14.467, 5.543

Previews

White Background



This preview shows how the CIE LCh color 45, 56.002, 289.350 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, 56.002, 289.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

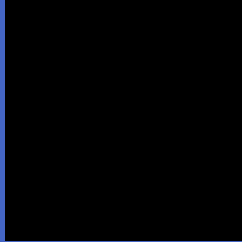
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 56.002, 289.350

Background



This preview shows how black text looks on a background with the CIELCh color 45, 56.002, 289.350.



This preview shows how white text looks on a background with the CIELCh color 45, 56.002, 289.350.

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, 56.002, 289.350

Protanopia

45, 56.151, 286.856

Deuteranopia

45, 50.972, 276.979



Tritanopia
45, 25.479, 210.576

Trichromacy



Original Color
45, 56.002, 289.350

Protanomaly
45, 56.109, 287.795

Deuteranomaly
45, 52.857, 280.266

Tritanomaly
44, 29.636, 254.827

Monochromacy



Original Color
45, 56.002, 289.350

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 20.694, 281.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 56.002, 289.350 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(68, 101, 195)` looks like.

```
.text, #text, p{  
    color:rgb(68, 101, 195)  
}
```

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(68, 101, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 101, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 56.002, 289.350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

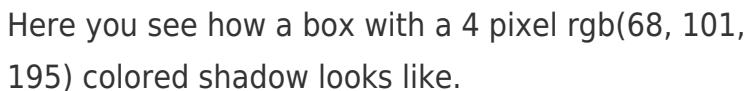
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(68, 101, 195) }
```

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

```
.border{ border-color:rgb(68, 101, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(68, 101, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 101, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 101, 195);  
box-shadow:4px 4px 4px 4px rgb(68, 101,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 56.002, 289.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 101, 195) }
```

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

```
.background{ background-color: rgb(68, 101,  
195) }
```

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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