

Converting Colors

CIELCh(45, 56.582, 290.195)

Have a look what the booklet for
CIELCh(45, 56.582, 290.195)
contains.

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Color

CIELCh(45, 56.501, 290.108)

Conversions

Conversions Part 1

Format	Color
Hex	4765C4
RGB	71, 101, 196
RGB Percent	28%, 40%, 77%
CMY	0.7231, 0.6051, 0.2328
CMYK	0.64, 0.49, 0.00, 0.23
HSL	226°, 51%, 52%
HSV	226°, 64%, 77%
XYZ	17.1166, 14.5417, 53.9178
YIQ	102.8600, -48.3750, 23.1850

Conversions

Conversions Part 2

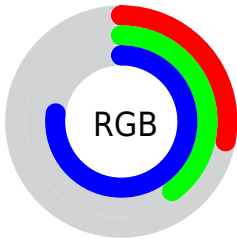
Format	Color
R_{YB}	71, 95, 196
Decimal	4679108
CIE _{Lab}	45.00, 19.42, -53.06
CIE _{LCh}	45, 56.501, 290.108
Yxy	14.5417, 0.2000, 0.1699
Android (android.graphics.Color)	4282869188 (0xFF4765C4)
YUV	102.8600, 45.9180, -27.9412
Hunter-Lab	38.1336, 13.3875, -57.1377

Details

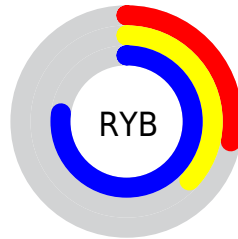
The CIELCh color **45, 56.501, 290.108** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **69, 51.890, 89.828**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 56.061, 289.938**, and **26, 55.912, 292.195** is the 20% darker color. If you saturate the color by 10%, you get **40, 66.372, 293.114**, and if you desaturate by 10%, it is **50, 46.919, 287.386**.

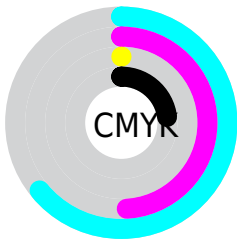
Distribution



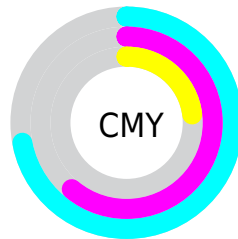
- Red (28%)
- Green (40%)
- Blue (77%)



- Red (28%)
- Yellow (37%)
- Blue (77%)



- Cyan (64%)
- Magenta (49%)
- Yellow (0%)
- Black (23%)





- Cyan (72%)
- Magenta (61%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 56.501, 290.108 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, 56.501, 290.108 by changing the saturation by 10% instead.


 45, 56.501,
290.108


 45, 56.501,
290.108


 100, 56.501,
290.108


 35, 56.501,
290.108

 65, 56.501,
290.108


 25, 56.501,
290.108

 75, 56.501,
290.108

 15, 56.501,
290.108

 85, 56.501,
290.108

 5, 56.501, 290.108

 95, 56.501,
290.108

 0, 56.501, 290.108

 45, 56.501,

 45, 56.501,

290.108

■ 40, 66.372,
293.114

■ 36, 76.392,
296.281

■ 32, 86.183,
299.398

■ 29, 91.781,
301.097

290.108

■ 50, 46.919,
287.386

■ 55, 37.647,
284.992

■ 61, 28.665,
282.922

■ 66, 19.942,
281.147

■ 72, 11.456,
279.631

■ 77, 3.187, 278.366

■ 82, 4.877, 97.150

■ 88, 12.745, 96.199

■ 93, 20.426, 95.357

Harmonies

Complementary

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



45, 56.501, 290.108



69, 51.890, 89.828

Rectangle

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



45, 56.501, 290.108



45, 56.501, 340.108



45, 56.501, 110.108



45, 56.501, 160.108

Sweetspot

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



45, 56.501, 290.109



87, 19.532, 280.418



72, 42.281, 172.390



45, 13.493, 280.871



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, 56.501, 290.109



50, 86.282, 294.469



40, 75.110, 305.629



38, 4.607, 279.021



24, 78.220, 300.664



3, 16.241, 283.633

Inverse Universe

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



48, 53.137, 10.619



57, 77.060, 15.697



75, 63.919, 116.312



38, 4.397, 1.024



33, 63.812, 25.591



3, 14.406, 6.504

Previews

White Background



This preview shows how the CIE LCh color 45, 56.501, 290.108 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, 56.501, 290.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

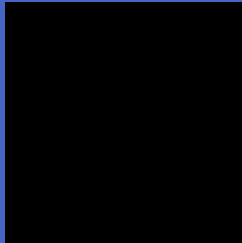
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 56.501, 290.108

Background



This preview shows how black text looks on a background with the CIELCh color 45, 56.501, 290.108.




This preview shows how white text looks on a background with the CIELCh color 45, 56.501, 290.108.

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
45, 24.793, 209.567

Trichromacy



Original Color
45, 56.501, 290.108

Protanomaly
45, 56.672, 287.997

Deuteranomaly
44, 53.416, 280.932

Tritanomaly
44, 28.788, 255.205

Monochromacy



Original Color
45, 56.501, 290.108

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 21.224, 282.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 56.501, 290.108 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(71, 101, 196)` looks like.

```
.text, #text, p{  
    color:rgb(71, 101, 196)  
}
```

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(71, 101, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 101, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 56.501, 290.108 is called "border". The border property can be set on classes, ids or directly on the HTML element.

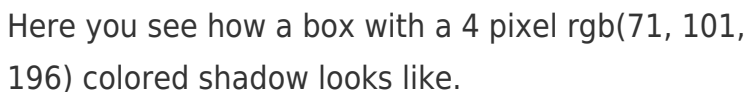
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 101, 196) }
```

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

```
.border{ border-color:rgb(71, 101, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 101, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 101, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 101, 196); box-shadow:4px 4px 4px 4px rgb(71, 101, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 56.501, 290.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 101, 196) }
```

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

```
.background{ background-color: rgb(71, 101,  
196) }
```

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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