

Converting Colors

CIELCh(45, 68.377, 291.755)

Have a look what the booklet for
CIELCh(45, 68.377, 291.755)
contains.

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Color

CIELCh(45, 68.800, 291.946)

Conversions

Conversions Part 1

Format	Color
Hex	3962D6
RGB	57, 98, 214
RGB Percent	22%, 38%, 84%
CMY	0.7747, 0.6146, 0.1595
CMYK	0.73, 0.54, 0.00, 0.16
HSL	224°, 66%, 53%
HSV	224°, 73%, 84%
XYZ	18.2859, 14.5417, 65.6794
YIQ	98.9650, -61.6720, 27.3840

Conversions

Conversions Part 2

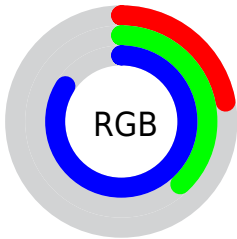
Format	Color
R_{YB}	57, 90, 214
Decimal	3760854
CIE _{Lab}	45.00, 25.71, -63.81
CIE _{LCh}	45, 68.800, 291.946
Yxy	14.5417, 0.1856, 0.1476
Android (android.graphics.Color)	4281950934 (0xFF3962D6)
YUV	98.9650, 56.7123, -36.8033
Hunter-Lab	38.1336, 18.8607, -75.4247

Details

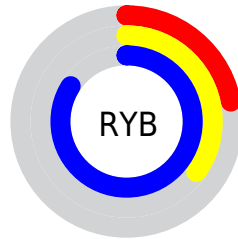
The CIELCh color **45, 68.800, 291.946** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **73, 62.012, 86.965**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 59.607, 290.123**, and **27, 67.316, 296.035** is the 20% darker color. If you saturate the color by 10%, you get **40, 79.296, 295.212**, and if you desaturate by 10%, it is **50, 58.507, 288.873**.

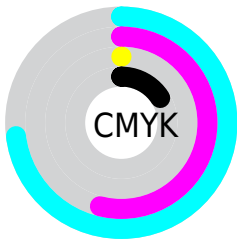
Distribution



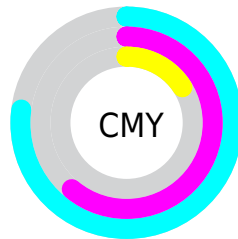
- Red (22%)
- Green (38%)
- Blue (84%)



- Red (22%)
- Yellow (35%)
- Blue (84%)



- Cyan (73%)
- Magenta (54%)
- Yellow (0%)
- Black (16%)



- Cyan (77%)
- Magenta (61%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 68.800, 291.946 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, 68.800, 291.946 by changing the saturation by 10% instead.


 45, 68.800,
291.946


 45, 68.800,
291.946


 100, 68.800,
291.946


 35, 68.800,
291.946

 65, 68.800,
291.946


 25, 68.800,
291.946

 75, 68.800,
291.946

 15, 68.800,
291.946

 85, 68.800,
291.946

 5, 68.800, 291.946

 95, 68.800,
291.946

 0, 68.800, 291.946

 45, 68.800,

 45, 68.800,

291.946

■ 40, 79.296,
295.212

■ 36, 89.671,
298.465

■ 33, 96.382,
300.487

291.946

■ 50, 58.507,
288.873

■ 56, 48.524,
286.103

■ 61, 38.854,
283.675

■ 67, 29.467,
281.580

■ 73, 20.334,
279.786

■ 78, 11.430,
278.257

■ 84, 2.738, 276.996

■ 90, 5.751, 95.752

Harmonies

Complementary

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



45, 68.800, 291.946



73, 62.012, 86.965

Rectangle

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



45, 68.800, 291.946



45, 68.800, 341.946



45, 68.800, 111.946



45, 68.800, 161.946

Sweetspot

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



45, 68.800, 291.947



86, 22.186, 279.627



77, 50.659, 169.541



44, 14.957, 280.083



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, 68.800, 291.947



45, 97.183, 297.078



38, 92.697, 306.265



42, 4.896, 277.744



26, 80.172, 300.002



4, 22.691, 287.172

Inverse Universe

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



50, 64.224, 12.300



55, 83.992, 19.235



81, 76.024, 115.388



42, 4.817, 359.614



36, 66.170, 24.251



5, 22.167, 8.181

Previews

White Background



This preview shows how the CIE LCh color 45, 68.800, 291.946 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, 68.800, 291.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

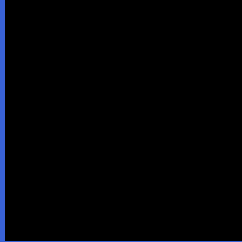
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 68.800, 291.946

Background



This preview shows how black text looks on a background with the CIELCh color 45, 68.800, 291.946.



This preview shows how white text looks on a background with the CIELCh color 45, 68.800, 291.946.

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, 68.800, 291.946

Protanopia

45, 68.590, 287.367

Deuteranopia

45, 49.404, 275.794

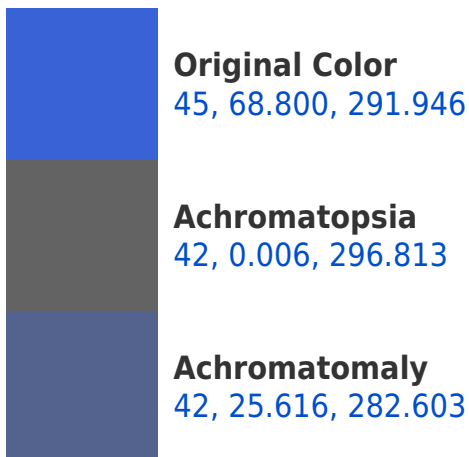


Tritanopia
45, 27.448, 206.762

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 68.800, 291.946 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(57, 98, 214)` looks like.

```
.text, #text, p{  
    color:rgb(57, 98, 214)  
}
```

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(57, 98, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 98, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 68.800, 291.946 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(57, 98, 214) }
```

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

```
.border{ border-color:rgb(57, 98, 214) }
```

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

Here you see how a box with a 4 pixel rgb(57, 98, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 98, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 98, 214);  
box-shadow:4px 4px 4px 4px rgb(57, 98,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 68.800, 291.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 98, 214) }
```

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

```
.background{ background-color: rgb(57, 98,  
214) }
```

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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