

Converting Colors

CIELCh(45, 96.798, 296.314)

Have a look what the booklet for
CIELCh(45, 96.798, 296.314)
contains.

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Color

CIELCh(45, 96.738, 296.290)

Conversions

Conversions Part 1

Format	Color
Hex	045AFF
RGB	4, 90, 255
RGB Percent	2%, 35%, 100%
CMY	0.9825, 0.6474, 0.0004
CMYK	0.98, 0.65, 0.00, 0.00
HSL	220°, 100%, 51%
HSV	220°, 98%, 100%
XYZ	21.7393, 14.5417, 96.1886
YIQ	83.0960, -104.2210, 33.0830

Conversions

Conversions Part 2

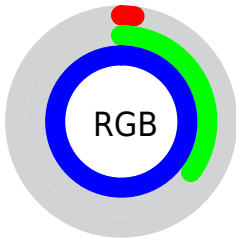
Format	Color
R _Y B	4, 68, 255
Decimal	285439
CIE Lab	45.00, 42.85, -86.73
CIE LCh	45, 96.738, 296.290
Yxy	14.5417, 0.1641, 0.1098
Android (android.graphics.Color)	4278475519 (0xFF045AFF)
YUV	83.0960, 84.7487, -69.3672
Hunter-Lab	38.1336, 35.0260, -122.8602

Details

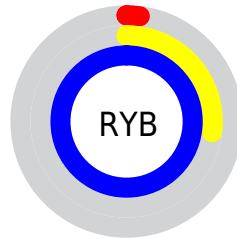
The CIELCh color **45, 96.738, 296.290** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **76, 82.016, 74.719**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 64.474, 291.434**, and **29, 93.105, 301.383** is the 20% darker color. If you saturate the color by 10%, you get **44, 98.584, 296.884**, and if you desaturate by 10%, it is **49, 86.082, 292.622**.

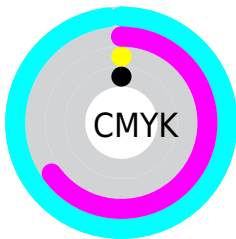
Distribution



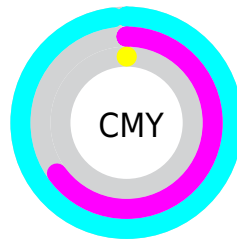
- Red (2%)
- Green (35%)
- Blue (100%)



- Red (2%)
- Yellow (27%)
- Blue (100%)



- Cyan (98%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (65%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 96.738, 296.290 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, 96.738, 296.290 by changing the saturation by 10% instead.


 45, 96.738,
296.290


 45, 96.738,
296.290


 100, 96.738,
296.290


 35, 96.738,
296.290

 65, 96.738,
296.290


 25, 96.738,
296.290

 75, 96.738,
296.290

 15, 96.738,
296.290

 85, 96.738,
296.290

 5, 96.738, 296.290

 95, 96.738,
296.290

 0, 96.738, 296.290

 45, 96.738,

 45, 96.738,

296.290

■ 44, 98.584,
296.884

296.290

■ 49, 86.082,
292.622

■ 54, 75.456,
288.904

■ 60, 65.071,
285.377

■ 65, 54.971,
282.179

■ 71, 45.121,
279.367

■ 77, 35.477,
276.940

■ 83, 26.002,
274.865

■ 89, 16.675,
273.100

Harmonies

Complementary

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



45, 96.738, 296.290



76, 82.016, 74.719

Rectangle

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



45, 96.738, 296.290



45, 96.738, 346.290



45, 96.738, 116.290



45, 96.738, 166.290

Sweetspot

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



45, 96.739, 296.292



83, 26.714, 275.010



89, 75.107, 158.015



41, 18.390, 275.864



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, 96.739, 296.292



44, 98.614, 296.885



34, 131.866, 306.745



50, 5.165, 271.780



33, 77.993, 296.243



8, 31.282, 291.036

Inverse Universe

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



54, 85.943, 17.567



54, 86.603, 18.524



94, 98.070, 111.958



50, 5.789, 354.011



40, 69.446, 17.450



10, 31.327, 9.690

Previews

White Background



This preview shows how the CIE LCh color 45, 96.738, 296.290 looks on a white background.

Color Contrast Check

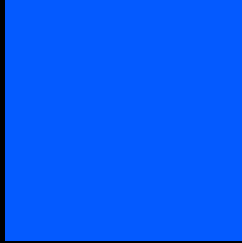
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.738, 296.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

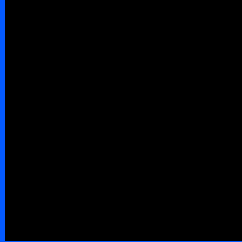
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 96.738, 296.290

Background



This preview shows how black text looks on a background with the CIELCh color 45, 96.738, 296.290.



This preview shows how white text looks on a background with the CIELCh color 45, 96.738, 296.290.

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, 96.743, 296.276

Protanopia

45, 67.491, 286.952

Deuteranopia

45, 46.815, 273.369



Tritanopia
44, 27.346, 205.503

Trichromacy



Original Color
45, 96.743, 296.276

Protanomaly
45, 78.225, 291.157

Deuteranomaly
44, 64.733, 285.912

Tritanomaly
44, 41.774, 269.004

Monochromacy



Original Color
45, 96.743, 296.276

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 37.510, 282.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 96.738, 296.290 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(4, 90, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 90, 255)  
}
```

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(4, 90, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 90, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 96.738, 296.290 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(4, 90, 255) }
```

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

```
.border{ border-color:rgb(4, 90, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 90, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 90, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 90, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 90, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 45, 96.738, 296.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 90, 255) }
```

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

```
.background{ background-color: rgb(4, 90,  
255) }
```

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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