

Converting Colors

CIELCh(45, 99.351, 300.883)

Have a look what the booklet for
CIELCh(45, 99.351, 300.883)
contains.

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Color

CIELCh(45, 98.992, 300.835)

Conversions

Conversions Part 1

Format	Color
Hex	4B52FC
RGB	75, 82, 252
RGB Percent	29%, 32%, 99%
CMY	0.7062, 0.6787, 0.0120
CMYK	0.70, 0.67, 0.00, 0.01
HSL	238°, 97%, 64%
HSV	238°, 70%, 99%
XYZ	23.4667, 14.5417, 93.6067
YIQ	99.2870, -58.7420, 51.3860

Conversions

Conversions Part 2

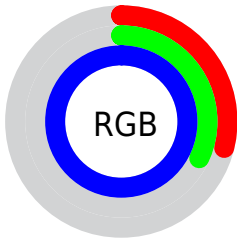
Format	Color
R _Y B	75, 82, 252
Decimal	4936444
CIE Lab	45.00, 50.74, -85.00
CIE LCh	45, 98.992, 300.835
Yxy	14.5417, 0.1783, 0.1105
Android (android.graphics.Color)	4283126524 (0xFF4B52FC)
YUV	99.2870, 75.2875, -21.2997
Hunter-Lab	38.1336, 43.1117, -118.8459

Details

The CIELCh color **45, 98.992, 300.835** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **94, 79.611, 101.808**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 69.070, 299.983**, and **27, 97.002, 302.978** is the 20% darker color. If you saturate the color by 10%, you get **39, 113.221, 303.104**, and if you desaturate by 10%, it is **52, 83.744, 298.458**.

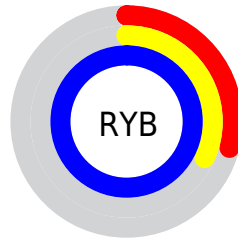
Distribution



 Red (29%)

 Green (32%)

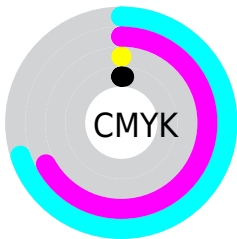
 Blue (99%)




 Red (29%)

 Yellow (32%)

 Blue (99%)

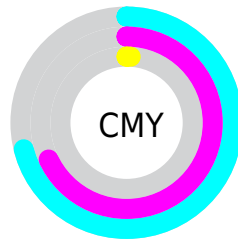


 Cyan (70%)

 Magenta (67%)

 Yellow (0%)

 Black (1%)



 Cyan (71%)


 Magenta (68%)


 Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 98.992, 300.835 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, 98.992, 300.835 by changing the saturation by 10% instead.


 45, 98.992,
300.835


 45, 98.992,
300.835


 100, 98.992,
300.835


 35, 98.992,
300.835

 65, 98.992,
300.835


 25, 98.992,
300.835

 75, 98.992,
300.835

 15, 98.992,
300.835

 85, 98.992,
300.835

 5, 98.992, 300.835

 95, 98.992,
300.835

 0, 98.992, 300.835

 45, 98.992,

 45, 98.992,

300.835

300.835

■ 39, 113.221,
303.104

■ 52, 83.744,
298.458

■ 35, 124.583,
304.927

■ 59, 68.518,
296.202

■ 32, 131.039,
305.964

■ 67, 53.747,
294.181

■ 75, 39.556,
292.428

■ 83, 25.948,
290.930

■ 91, 12.888,
289.662

■ 99, 0.335, 288.860

■ 100, 1.546,
110.012

Harmonies

Complementary

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



45, 98.992, 300.835



94, 79.611, 101.808

Rectangle

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



45, 98.992, 300.835



45, 98.992, 350.835



45, 98.992, 120.835



45, 98.992, 170.835

Sweetspot

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



45, 98.993, 300.836



83, 27.199, 291.034



91, 46.391, 190.794



42, 18.512, 291.429



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, 98.993, 300.836



38, 119.073, 303.867



51, 100.200, 311.130



48, 7.082, 289.573



23, 104.922, 305.823



4, 40.855, 300.172

Inverse Universe

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



58, 75.820, 28.175



55, 91.163, 33.514



91, 88.466, 124.506



49, 5.168, 16.731



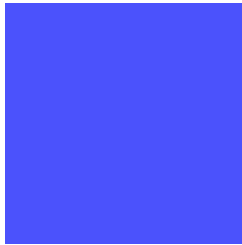
39, 81.674, 38.455



9, 31.909, 24.551

Previews

White Background



This preview shows how the CIELCh color 45, 98.992, 300.835 looks on a white background.

Color Contrast Check

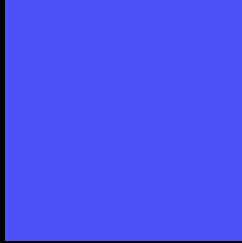
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.992, 300.835 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, 98.992, 300.835

Background



This preview shows how black text looks on a background with the CIELCh color 45, 98.992, 300.835.



This preview shows how white text looks on a background with the CIELCh color 45, 98.992, 300.835.

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, 98.992, 300.835

Protanopia

45, 67.491, 286.952

Deuteranopia

44, 47.335, 274.095



Tritanopia
45, 27.277, 206.844

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 98.992, 300.835 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(75, 82, 252)` looks like.

```
.text, #text, p{  
    color:rgb(75, 82, 252)  
}
```

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(75, 82, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 82, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 98.992, 300.835 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(75, 82, 252) }
```

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

```
.border{ border-color:rgb(75, 82, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 82, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(75, 82, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(75, 82, 252); box-shadow:4px 4px 4px 4px rgb(75, 82, 252) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 98.992, 300.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 82, 252) }
```

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

```
.background{ background-color: rgb(75, 82,  
252) }
```

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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