

Converting Colors

CIELCh(45, 99.279, 298.913)

Have a look what the booklet for
CIELCh(45, 99.279, 298.913)
contains.

CIELCh(45, 99.259, 298.969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 99.259, 298.969)

Conversions

Conversions Part 1

Format	Color
Hex	3655FF
RGB	54, 85, 255
RGB Percent	21%, 33%, 100%
CMY	0.7870, 0.6661, 0.0000
CMYK	0.79, 0.67, 0.00, 0.00
HSL	231°, 100%, 61%
HSV	231°, 79%, 100%
XYZ	22.8736, 14.5417, 96.3512
YIQ	95.1110, -73.0460, 46.2980

Conversions

Conversions Part 2

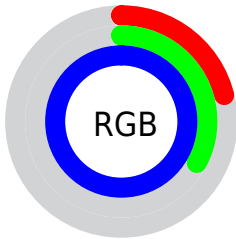
Format	Color
R _Y B	54, 81, 255
Decimal	3560959
CIE Lab	45.00, 48.07, -86.84
CIE LCh	45, 99.259, 298.969
Yxy	14.5417, 0.1710, 0.1087
Android (android.graphics.Color)	4281751039 (0xFF3655FF)
YUV	95.1110, 78.8253, -36.0543
Hunter-Lab	38.1336, 40.3353, -123.1131




Details

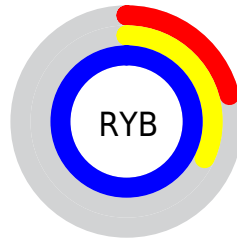
The CIELCh color **45, 99.259, 298.969** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **89, 80.016, 94.022**, and the grayscale version is **40, 0.006, 296.813**.




A 20% lighter version of the original color is **61, 67.274, 296.350**, and **28, 96.422, 302.455** is the 20% darker color. If you saturate the color by 10%, you get **40, 112.174, 301.679**, and if you desaturate by 10%, it is **51, 85.409, 296.130**.

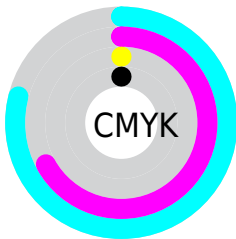
Distribution







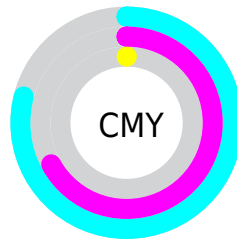
-  Red (21%)
-  Green (33%)
-  Blue (100%)






-  Red (21%)
-  Yellow (32%)
-  Blue (100%)



-  Cyan (79%)
-  Magenta (67%)
-  Yellow (0%)
-  Black (0%)





-  Cyan (79%)
-  Magenta (67%)
-  Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 99.259, 298.969 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, 99.259, 298.969 by changing the saturation by 10% instead.


 45, 99.259,
298.969


 45, 99.259,
298.969


 100, 99.259,
298.969


 35, 99.259,
298.969

 65, 99.259,
298.969


 25, 99.259,
298.969

 75, 99.259,
298.969

 15, 99.259,
298.969

 85, 99.259,
298.969

 5, 99.259, 298.969

 95, 99.259,
298.969

 0, 99.259, 298.969

 45, 99.259,

 45, 99.259,

298.969

298.969

■ 40, 112.174,
301.679

■ 51, 85.409,
296.130

■ 36, 123.043,
303.963

■ 58, 71.696,
293.424

■ 35, 124.230,
304.200

■ 65, 58.375,
290.976

■ 72, 45.536,
288.832

■ 79, 33.173,
286.987

■ 86, 21.250,
285.414

■ 94, 9.731, 284.079

100, 0.012,
296.813

Harmonies

Complementary

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



45, 99.259, 298.969



89, 80.016, 94.022

Rectangle

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



45, 99.259, 298.969



45, 99.259, 348.969



45, 99.259, 118.969



45, 99.259, 168.969

Sweetspot

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



45, 99.172, 298.960



83, 27.515, 286.216



91, 54.690, 177.422



41, 19.019, 286.795



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, 99.172, 298.960



37, 118.297, 302.969



44, 112.673, 308.711



49, 6.366, 284.178



26, 98.835, 303.843



5, 39.239, 298.809

Inverse Universe

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



57, 80.821, 23.354



54, 92.886, 30.835



93, 93.618, 119.993



50, 5.352, 7.652



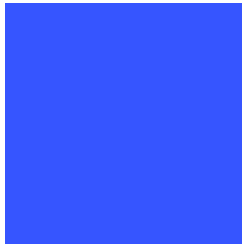
40, 77.294, 32.848



10, 32.259, 20.867

Previews

White Background



This preview shows how the CIE LCh color 45, 99.259, 298.969 looks on a white background.

Color Contrast Check

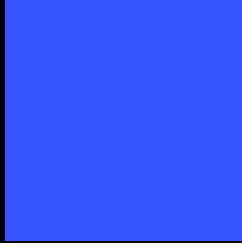
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.259, 298.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

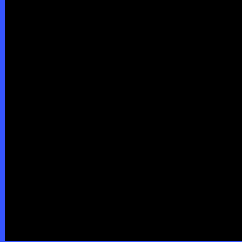
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 99.259, 298.969

Background



This preview shows how black text looks on a background with the CIELCh color 45, 99.259, 298.969.




This preview shows how white text looks on a background with the CIELCh color 45, 99.259, 298.969.

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
44, 27.346, 205.503

Trichromacy



Original Color
45, 99.259, 298.969

Protanomaly
44, 78.847, 292.112

Deuteranomaly
44, 65.292, 287.196

Tritanomaly
43, 42.430, 271.917

Monochromacy



Original Color
45, 99.259, 298.969

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 37.698, 290.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 99.259, 298.969 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(54, 85, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 85, 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(54, 85, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 85, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 99.259, 298.969 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(54, 85, 255) }
```

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

```
.border{ border-color:rgb(54, 85, 255) }
```

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

Here you see how a box with a 4 pixel rgb(54, 85, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 85, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 85, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 85,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 99.259, 298.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 85, 255) }
```

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

```
.background{ background-color: rgb(54, 85,  
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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