

Converting Colors

CIELCh(45, 98.320, 300.311)

Have a look what the booklet for
CIELCh(45, 98.320, 300.311)
contains.

CIELCh(45, 98.504, 300.336)	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, 98.504, 300.336)

Conversions

Conversions Part 1

Format	Color
Hex	4753FC
RGB	71, 83, 252
RGB Percent	28%, 33%, 99%
CMY	0.7218, 0.6747, 0.0120
CMYK	0.72, 0.67, 0.00, 0.01
HSL	236°, 97%, 63%
HSV	236°, 72%, 99%
XYZ	23.2455, 14.5417, 93.6326
YIQ	98.6780, -61.4010, 50.0150

Conversions

Conversions Part 2

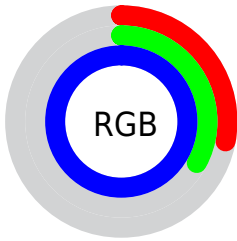
Format	Color
R _Y B	71, 82, 252
Decimal	4674556
CIE Lab	45.00, 49.75, -85.02
CIE LCh	45, 98.504, 300.336
Yxy	14.5417, 0.1769, 0.1107
Android (android.graphics.Color)	4282864636 (0xFF4753FC)
YUV	98.6780, 75.5877, -24.2736
Hunter-Lab	38.1336, 42.0763, -118.8861

Details

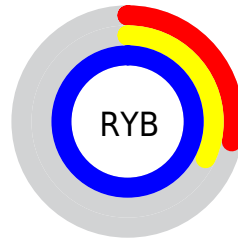
The CIELCh color **45, 98.504, 300.336** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **93, 79.280, 100.203**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 68.455, 299.063**, and **27, 96.492, 302.821** is the 20% darker color. If you saturate the color by 10%, you get **39, 112.481, 302.714**, and if you desaturate by 10%, it is **52, 83.613, 297.862**.

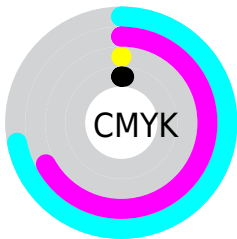
Distribution



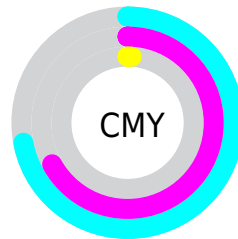
- Red (28%)
- Green (33%)
- Blue (99%)



- Red (28%)
- Yellow (32%)
- Blue (99%)



- Cyan (72%)
- Magenta (67%)
- Yellow (0%)
- Black (1%)





- Cyan (72%)
- Magenta (67%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 98.504, 300.336 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, 98.504, 300.336 by changing the saturation by 10% instead.


 45, 98.504,
300.336


 45, 98.504,
300.336


 100, 98.504,
300.336

 35, 98.504,
300.336

 65, 98.504,
300.336


 25, 98.504,
300.336

 75, 98.504,
300.336

 15, 98.504,
300.336

 85, 98.504,
300.336

 5, 98.504, 300.336

 95, 98.504,
300.336

 0, 98.504, 300.336

 45, 98.504,

 45, 98.504,

300.336

300.336

■ 39, 112.481,
302.714

■ 52, 83.613,
297.862

■ 35, 123.824,
304.665

■ 59, 68.770,
295.517

■ 33, 129.819,
305.704

■ 67, 54.374,
293.415

■ 74, 40.536,
291.588

■ 82, 27.257,
290.027

■ 90, 14.499,
288.702

■ 98, 2.224, 287.615

■ 100, 1.537,
110.013

Harmonies

Complementary

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



45, 98.504, 300.336



93, 79.280, 100.203

Rectangle

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



45, 98.504, 300.336



45, 98.504, 350.336



45, 98.504, 120.336



45, 98.504, 170.336

Sweetspot

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



45, 98.505, 300.337



83, 27.732, 290.051



90, 47.458, 188.801



42, 18.733, 290.452



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, 98.505, 300.337



38, 118.779, 303.608



49, 102.302, 310.755



48, 6.884, 288.422



23, 103.715, 305.502



4, 40.065, 299.710

Inverse Universe

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



58, 76.545, 26.907



55, 91.548, 32.742



91, 89.537, 123.893



49, 5.179, 14.577



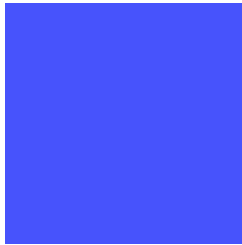
39, 80.633, 37.452



9, 31.729, 23.467

Previews

White Background



This preview shows how the CIELCh color 45, 98.504, 300.336 looks on a white background.

Color Contrast Check

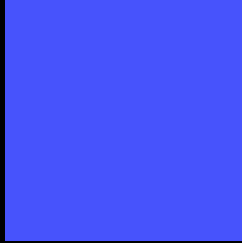
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.504, 300.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

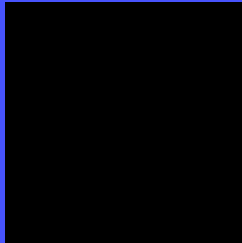
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 98.504, 300.336

Background



This preview shows how black text looks on a background with the CIELCh color 45, 98.504, 300.336.



This preview shows how white text looks on a background with the CIELCh color 45, 98.504, 300.336.

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, 27.277, 206.844

Trichromacy



Original Color
45, 98.504, 300.336

Protanomaly
44, 78.884, 292.527

Deuteranomaly
44, 65.853, 287.945

Tritanomaly
43, 41.762, 272.043

Monochromacy



Original Color
45, 98.504, 300.336

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 37.470, 293.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 98.504, 300.336 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, 83, 252)` looks like.

```
.text, #text, p{  
    color:rgb(71, 83, 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(71, 83, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 83, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 98.504, 300.336 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, 83, 252) }
```

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

```
.border{ border-color:rgb(71, 83, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 83, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 83, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 83, 252);  
box-shadow:4px 4px 4px 4px rgb(71, 83,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 98.504, 300.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 83, 252) }
```

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

```
.background{ background-color: rgb(71, 83,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor