

Converting Colors

CIELCh(45, 98.133, 310.309)

Have a look what the booklet for
CIELCh(45, 98.133, 310.309)
contains.

CIELCh(45, 97.976, 310.334)	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, 97.976, 310.334)

Conversions

Conversions Part 1

Format	Color
Hex	863FEA
RGB	134, 63, 234
RGB Percent	53%, 25%, 92%
CMY	0.4749, 0.7533, 0.0827
CMYK	0.43, 0.73, 0.00, 0.08
HSL	265°, 80%, 58%
HSV	265°, 73%, 92%
XYZ	26.4278, 14.5417, 79.1880
YIQ	103.7230, -12.5750, 68.2330

Conversions

Conversions Part 2

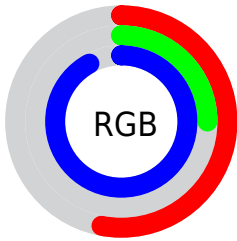
Format	Color
R _Y B	134, 63, 234
Decimal	8798186
CIE Lab	45.00, 63.41, -74.69
CIE LCh	45, 97.976, 310.334
Yxy	14.5417, 0.2199, 0.1210
Android (android.graphics.Color)	4286988266 (0xFF863FEA)
YUV	103.7230, 64.2266, 26.5529
Hunter-Lab	38.1336, 56.9722, -96.4277

Details

The CIELCh color **45, 97.976, 310.334** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **85, 85.043, 123.207**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 79.098, 313.595**, and **25, 96.733, 310.022** is the 20% darker color. If you saturate the color by 10%, you get **40, 108.512, 310.541**, and if you desaturate by 10%, it is **51, 85.416, 309.861**.

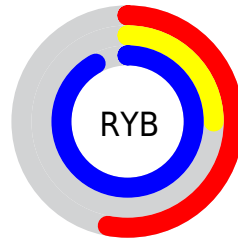
Distribution



Red (53%)

Green (25%)

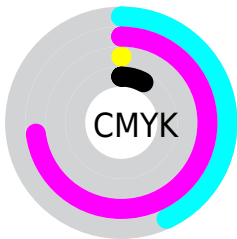
Blue (92%)



Red (53%)

Yellow (25%)

Blue (92%)

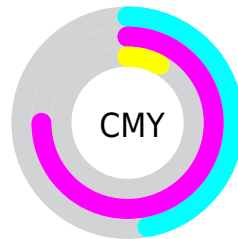


Cyan (43%)

Magenta (73%)

Yellow (0%)

Black (8%)



Cyan (47%)


Magenta (75%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 97.976, 310.334 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, 97.976, 310.334 by changing the saturation by 10% instead.


 45, 97.976,
310.334


 45, 97.976,
310.334


 100, 97.976,
310.334


 35, 97.976,
310.334

 65, 97.976,
310.334


 25, 97.976,
310.334

 75, 97.976,
310.334

 15, 97.976,
310.334

 85, 97.976,
310.334

 5, 97.976, 310.334

 95, 97.976,
310.334

 0, 97.976, 310.334

 45, 97.976,

 45, 97.976,

310.334

310.334

■ 40, 108.512,
310.541

■ 51, 85.416,
309.861

■ 37, 115.920,
310.338

■ 57, 71.813,
309.246

■ 35, 119.226,
309.981

■ 63, 57.837,
308.579


■ 70, 43.892,
307.917

■ 77, 30.198,
307.289

■ 84, 16.864,
306.712

■ 91, 3.936, 306.175

■ 97, 8.573, 125.754

 100, 10.675,
109.370

Harmonies

Complementary

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



45, 97.976, 310.334



85, 85.043, 123.207

Rectangle

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



45, 97.976, 310.334



45, 97.976, 0.334



45, 97.976, 130.334



45, 97.976, 180.334

Sweetspot

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



45, 97.976, 310.335



84, 30.796, 307.229



65, 43.411, 260.436



42, 20.777, 307.394



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, 97.976, 310.335



42, 120.517, 310.493



56, 96.429, 324.586



45, 7.288, 306.515



26, 98.221, 310.159



4, 37.236, 308.793

Inverse Universe

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



56, 74.113, 347.694



57, 85.568, 351.224



82, 96.998, 136.340



46, 6.317, 340.040



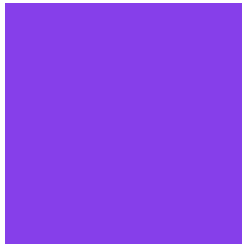
39, 67.160, 354.164



8, 29.602, 349.056

Previews

White Background



This preview shows how the CIELCh color 45, 97.976, 310.334 looks on a white background.

Color Contrast Check

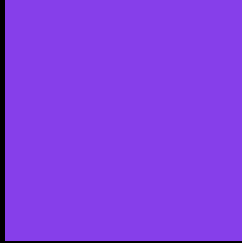
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 97.976, 310.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

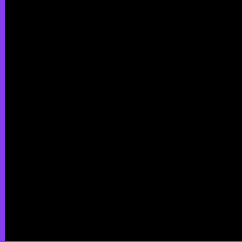
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 97.976, 310.334

Background



This preview shows how black text looks on a background with the CIELCh color 45, 97.976, 310.334.



This preview shows how white text looks on a background with the CIELCh color 45, 97.976, 310.334.

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, 97.976, 310.334

Protanopia
45, 67.970, 286.957

Deuteranopia
45, 48.353, 274.691



Tritanopia
45, 5.403, 295.166

Trichromacy



Original Color
45, 97.976, 310.334

Protanomaly
43, 80.303, 295.446

Deuteranomaly
42, 67.157, 291.789

Tritanomaly
43, 41.796, 307.462

Monochromacy



Original Color
45, 97.976, 310.334

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 38.463, 308.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 97.976, 310.334 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(134, 63, 234)` looks like.

```
.text, #text, p{  
    color:rgb(134, 63, 234)  
}
```

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(134, 63, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 63, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 97.976, 310.334 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(134, 63, 234) }
```

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

```
.border{ border-color:rgb(134, 63, 234) }
```

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

Here you see how a box with a 4 pixel rgb(134, 63, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 63, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 63, 234);  
box-shadow:4px 4px 4px 4px rgb(134, 63,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 97.976, 310.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 63, 234) }
```

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

```
.background{ background-color: rgb(134, 63,  
234) }
```

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