

Converting Colors

CIELCh(45, 71.976, 312.092)

Have a look what the booklet for
CIELCh(45, 71.976, 312.092)
contains.

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Color

CIELCh(45, 71.832, 312.113)

Conversions

Conversions Part 1

Format	Color
Hex	894DC5
RGB	137, 77, 197
RGB Percent	54%, 30%, 77%
CMY	0.4645, 0.6996, 0.2292
CMYK	0.31, 0.61, 0.00, 0.23
HSL	270°, 51%, 54%
HSV	270°, 61%, 77%
XYZ	22.8946, 14.5417, 54.1529
YIQ	108.6200, -2.7600, 50.0400

Conversions

Conversions Part 2

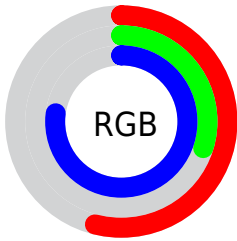
Format	Color
R _{YB}	137, 77, 197
Decimal	8998341
CIE _{Lab}	45.00, 48.17, -53.29
CIE _{LCh}	45, 71.832, 312.113
Yxy	14.5417, 0.2500, 0.1588
Android (android.graphics.Color)	4287188421 (0xFF894DC5)
YUV	108.6200, 43.5713, 24.8893
Hunter-Lab	38.1336, 40.4339, -57.5032

Details

The CIELCh color **45, 71.832, 312.113** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **73, 65.531, 126.410**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.522, 312.209**, and **25, 71.483, 312.131** is the 20% darker color. If you saturate the color by 10%, you get **40, 82.637, 312.453**, and if you desaturate by 10%, it is **50, 60.147, 311.643**.

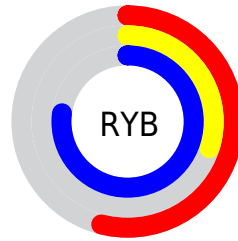
Distribution



Red (54%)

Green (30%)

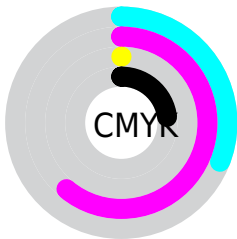
Blue (77%)



Red (54%)

Yellow (30%)

Blue (77%)

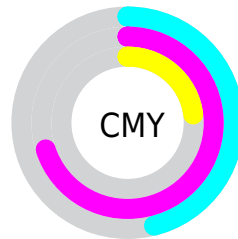


Cyan (31%)

Magenta (61%)

Yellow (0%)

Black (23%)



Cyan (46%)


Magenta (70%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 71.832, 312.113 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, 71.832, 312.113 by changing the saturation by 10% instead.


 45, 71.832,
312.113


 45, 71.832,
312.113


 100, 71.832,
312.113


 35, 71.832,
312.113

 65, 71.832,
312.113


 25, 71.832,
312.113

 75, 71.832,
312.113

 15, 71.832,
312.113

 85, 71.832,
312.113

 5, 71.832, 312.113

 95, 71.832,
312.113

 0, 71.832, 312.113

 45, 71.832,

 45, 71.832,

312.113

40, 82.637,
312.453

36, 91.839,
312.563

33, 98.618,
312.329

31, 102.628,
311.845

312.113

50, 60.147,
311.643

56, 48.104,
311.113

61, 36.031,
310.570

67, 24.121,
310.044

73, 12.479,
309.548

79, 1.157, 309.007

85, 9.825, 128.713

90, 20.466,
128.346

■ 96, 30.773,
128.025

Harmonies

Complementary

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



45, 71.832, 312.113



73, 65.531, 126.410

Rectangle

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



45, 71.832, 312.113



45, 71.832, 2.113



45, 71.832, 132.113



45, 71.832, 182.113

Sweetspot

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



45, 71.831, 312.113



87, 25.410, 309.904



56, 36.173, 266.342



44, 17.727, 310.054



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, 71.831, 312.113



51, 104.254, 312.517



53, 74.273, 326.951



39, 6.463, 309.469



25, 89.275, 311.999



2, 22.367, 305.915

Inverse Universe

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



51, 54.495, 350.805



60, 76.256, 353.596



71, 74.975, 138.863



39, 5.202, 344.376



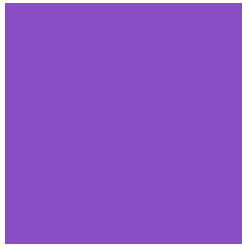
35, 60.738, 1.546



4, 17.859, 352.973

Previews

White Background



This preview shows how the CIELCh color 45, 71.832, 312.113 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, 71.832, 312.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

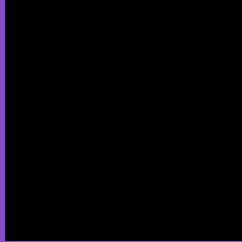
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 71.832, 312.113

Background



This preview shows how black text looks on a background with the CIELCh color 45, 71.832, 312.113.



This preview shows how white text looks on a background with the CIELCh color 45, 71.832, 312.113.

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, 71.832, 312.113

Protanopia

45, 69.067, 287.369

Deuteranopia

45, 50.062, 278.262



Tritanopia
45, 9.209, 349.501

Trichromacy



Original Color
45, 71.832, 312.113

Protanomaly
43, 70.428, 292.541

Deuteranomaly
44, 56.830, 290.466

Tritanomaly
44, 31.898, 316.983

Monochromacy



Original Color
45, 71.832, 312.113

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 26.960, 310.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 71.832, 312.113 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(137, 77, 197)` looks like.

```
.text, #text, p{  
    color:rgb(137, 77, 197)  
}
```

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(137, 77, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 77, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 71.832, 312.113 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(137, 77, 197) }
```

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

```
.border{ border-color:rgb(137, 77, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 77, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 77, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 77, 197);  
box-shadow:4px 4px 4px 4px rgb(137, 77,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 71.832, 312.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 77, 197) }
```

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

```
.background{ background-color: rgb(137, 77,  
197) }
```

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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