

Converting Colors

CIELCh(84, 78.165, 338.096)

Have a look what the booklet for
CIELCh(84, 78.165, 338.096)
contains.

CIELCh(76, 64.458, 326.633)	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(76, 64.458, 326.633)

Conversions

Conversions Part 1

Format	Color
Hex	FE96FE
RGB	254, 150, 254
RGB Percent	100%, 59%, 100%
CMY	0.0052, 0.4126, 0.0051
CMYK	0.00, 0.41, 0.00, 0.01
HSL	300°, 98%, 79%
HSV	300°, 41%, 99%
XYZ	69.4672, 49.8872, 99.4861
YIQ	192.9520, 28.6000, 54.3920

Conversions

Conversions Part 2

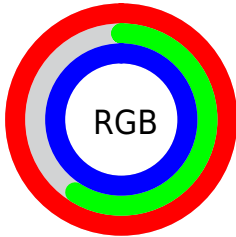
Format	Color
R_YB	254, 150, 254
Decimal	16684798
CIE _{Lab}	76.00, 53.83, -35.45
CIE _{LCh}	76, 64.458, 326.633
Yxy	49.8872, 0.3174, 0.2280
Android (android.graphics.Color)	4294874878 (0xFFFE96FE)
YUV	192.9520, 30.0967, 53.5391
Hunter-Lab	70.6309, 51.9549, -34.0704

Details

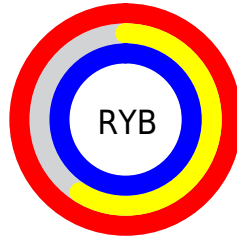
The CIELCh color **76, 64.458, 326.633** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 64.608, 141.260**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 30.725, 325.494**, and **56, 64.281, 326.486** is the 20% darker color. If you saturate the color by 10%, you get **71, 78.648, 327.096**, and if you desaturate by 10%, it is **81, 49.198, 326.123**.

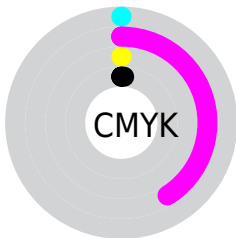
Distribution



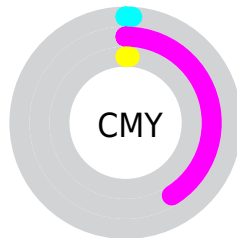
- Red (100%)
- Green (59%)
- Blue (100%)



- Red (100%)
- Yellow (59%)
- Blue (100%)



- Cyan (0%)
- Magenta (41%)
- Yellow (0%)
- Black (1%)





- Cyan (1%)
- Magenta (41%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 64.458, 326.633 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 76, 64.458, 326.633 by changing the saturation by 10% instead.


 76, 64.458,
326.633


 76, 64.458,
326.633


 100, 64.458,
326.633


 66, 64.458,
326.633


 96, 64.458,
326.633

 56, 64.458,
326.633

 46, 64.458,
326.633

 36, 64.458,
326.633

 26, 64.458,
326.633

 16, 64.458,
326.633

 6, 64.458, 326.633

■ 0, 64.458, 326.633

■ 76, 64.458,
326.633

■ 76, 64.458,
326.633

■ 71, 78.648,
327.096

■ 81, 49.198,
326.123

■ 67, 91.172,
327.493

■ 87, 33.386,
325.583

■ 64, 101.406,
327.810

■ 93, 17.405,
325.023

■ 62, 108.847,
328.036

■ 99, 1.527, 324.287

■ 61, 113.292,
328.168

100, 0.791,
144.680

■ 60, 115.123,
328.222

100, 0.789,
144.541

100, 0.788,
144.402

100, 0.787,
144.262

100, 0.785,
144.122

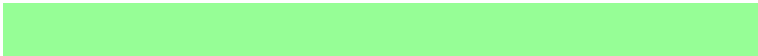
Harmonies

Complementary

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



76, 64.458, 326.633



91, 64.608, 141.260

Rectangle

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



76, 64.458, 326.633



76, 64.458, 16.633



76, 64.458, 146.633



76, 64.458, 196.633

Sweetspot

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



76, 64.455, 326.633



93, 19.139, 325.082



66, 56.505, 295.194



48, 12.703, 325.156



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76, 64.455, 326.633



73, 76.285, 327.010



74, 46.963, 346.834



50, 9.056, 324.940



45, 93.084, 328.222



12, 42.823, 328.223

Inverse Universe

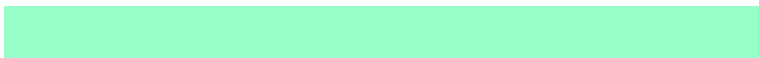
The Inverse Universe completely reimagines the original color for something new.



73, 42.461, 23.515



69, 52.286, 25.019



92, 44.938, 158.674



49, 5.254, 19.922



40, 84.217, 39.990



10, 33.365, 27.166

Previews

White Background



This preview shows how the CIELCh color 76, 64.458, 326.633 looks on a white background.

Color Contrast Check

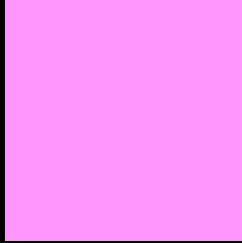
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 76, 64.458, 326.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

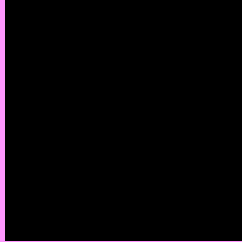
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 64.458, 326.633

Background



This preview shows how black text looks on a background with the CIELCh color 76, 64.458, 326.633.



This preview shows how white text looks on a background with the CIELCh color 76, 64.458, 326.633.

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

76, 64.492, 326.640

Protanopia

76, 37.393, 284.186

Deuteranopia

76, 33.474, 286.751



Tritanopia
76, 30.922, 9.450

Trichromacy



Original Color
76, 64.492, 326.640



Protanomaly
76, 45.144, 304.208



Deuteranomaly
75, 42.880, 306.932



Tritanomaly
76, 40.173, 345.811

Monochromacy



Original Color
76, 64.492, 326.640



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 24.598, 325.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 64.458, 326.633 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(254, 150, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 150, 254)  
}
```

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(254, 150, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 150, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 64.458, 326.633 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(254, 150, 254) }
```

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

```
.border{ border-color:rgb(254, 150, 254) }
```

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

Here you see how a box with a 4 pixel rgb(254, 150, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 150, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 150, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 150,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 64.458, 326.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 150, 254) }
```

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

```
.background{ background-color: rgb(254,  
150, 254) }
```

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