

Converting Colors

CIELCh(76, 55.586, 332.885)

Have a look what the booklet for
CIELCh(76, 55.586, 332.885)
contains.

CIELCh(76, 55.445, 333.026)	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, 55.445, 333.026)

Conversions

Conversions Part 1

Format	Color
Hex	FF99EB
RGB	255, 153, 235
RGB Percent	100%, 60%, 92%
CMY	0.0011, 0.4010, 0.0795
CMYK	0.00, 0.40, 0.08, 0.00
HSL	312°, 99%, 80%
HSV	312°, 40%, 100%
XYZ	67.4420, 49.8872, 84.4680
YIQ	192.8460, 34.4700, 47.1260

Conversions

Conversions Part 2

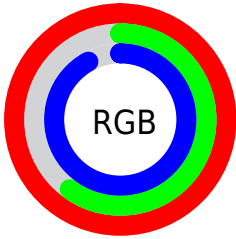
Format	Color
R _Y B	255, 153, 235
Decimal	16751083
CIE Lab	76.00, 49.41, -25.15
CIE LCh	76, 55.445, 333.026
Yxy	49.8872, 0.3342, 0.2472
Android (android.graphics.Color)	4294941163 (0xFFFF99EB)
YUV	192.8460, 20.7819, 54.5091
Hunter-Lab	70.6309, 46.8370, -21.4637

Details

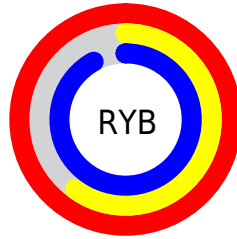
The CIELCh color **76, 55.445, 333.026** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **92, 55.312, 147.045**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 28.837, 325.429**, and **56, 55.541, 333.185** is the 20% darker color. If you saturate the color by 10%, you get **71, 68.090, 333.744**, and if you desaturate by 10%, it is **82, 41.915, 332.330**.

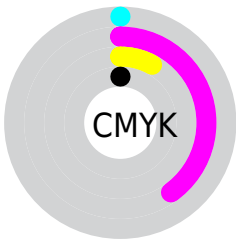
Distribution



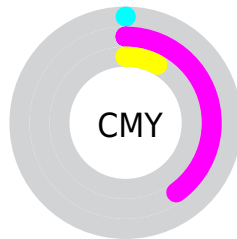
- Red (100%)
- Green (60%)
- Blue (92%)



- Red (100%)
- Yellow (60%)
- Blue (92%)



- Cyan (0%)
- Magenta (40%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 55.445, 333.026 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, 55.445, 333.026 by changing the saturation by 10% instead.


 76, 55.445,
333.026


 76, 55.445,
333.026


 100, 55.445,
333.026


 66, 55.445,
333.026


 96, 55.445,
333.026

 56, 55.445,
333.026

 46, 55.445,
333.026

 36, 55.445,
333.026

 26, 55.445,
333.026

 16, 55.445,
333.026

 6, 55.445, 333.026

■ 0, 55.445, 333.026

■ 76, 55.445,
333.026

■ 76, 55.445,
333.026

■ 71, 68.090,
333.744

■ 82, 41.915,
332.330

■ 67, 79.276,
334.489

■ 87, 27.970,
331.654

■ 63, 88.354,
335.276

■ 94, 13.942,
330.991

■ 60, 94.749,
336.126

100, 0.056,
323.735

■ 59, 98.143,
337.076

100, 0.097,
206.255

■ 58, 98.887,
338.150

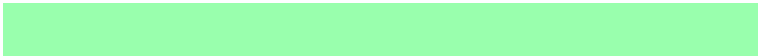
Harmonies

Complementary

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



76, 55.445, 333.026



92, 55.312, 147.045

Rectangle

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



76, 55.445, 333.026



76, 55.445, 23.026



76, 55.445, 153.026



76, 55.445, 203.026

Sweetspot

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



76, 55.442, 333.026



92, 16.711, 331.122



68, 56.492, 301.097



48, 11.093, 331.208



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, 55.442, 333.026



72, 65.675, 333.596



74, 41.992, 359.697



50, 7.905, 330.956



43, 79.917, 337.943



11, 37.424, 336.549

Inverse Universe

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



76, 55.442, 333.026



72, 65.675, 333.596



93, 37.481, 170.618



50, 7.905, 330.956



43, 79.917, 337.943



11, 37.424, 336.549

Previews

White Background



This preview shows how the CIELCh color 76, 55.445, 333.026 looks on a white background.

Color Contrast Check

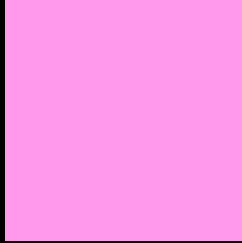
Large Text (above 18pt) WCAG AA × Fail

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, 55.445, 333.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

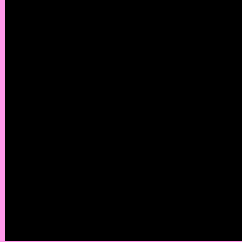
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 55.445, 333.026

Background



This preview shows how black text looks on a background with the CIELCh color 76, 55.445, 333.026.



This preview shows how white text looks on a background with the CIELCh color 76, 55.445, 333.026.

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, 55.445, 333.026

Protanopia

76, 37.883, 285.284

Deuteranopia

76, 24.266, 293.187



Tritanopia
76, 32.848, 11.373

Trichromacy



Original Color
76, 55.445, 333.026



Protanomaly
75, 41.550, 305.448



Deuteranomaly
76, 33.887, 314.819



Tritanomaly
76, 38.259, 352.289

Monochromacy



Original Color
76, 55.445, 333.026



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 21.020, 331.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 55.445, 333.026 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(255, 153, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 235)  
}
```

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(255, 153, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 55.445, 333.026 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(255, 153, 235) }
```

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

```
.border{ border-color:rgb(255, 153, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 55.445, 333.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 235) }
```

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

```
.background{ background-color: rgb(255,  
153, 235) }
```

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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