

Converting Colors

CIELCh(78, 65.779, 316.796)

Have a look what the booklet for
CIELCh(78, 65.779, 316.796)
contains.

CIELCh(77, 55.846, 321.617)	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(77, 55.846, 321.617)

Conversions

Conversions Part 1

Format	Color
Hex	F0A2FF
RGB	240, 162, 255
RGB Percent	94%, 64%, 100%
CMY	0.0592, 0.3650, 0.0004
CMYK	0.06, 0.36, 0.00, 0.00
HSL	290°, 100%, 82%
HSV	290°, 36%, 100%
XYZ	66.8420, 51.5317, 100.9510
YIQ	195.9240, 16.6350, 45.4590

Conversions

Conversions Part 2

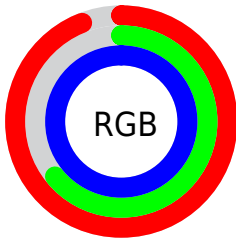
Format	Color
R _Y B	240, 162, 255
Decimal	15770367
CIE _{Lab}	77.00, 43.78, -34.68
CIE _{LCh}	77, 55.846, 321.617
Y _{xy}	51.5317, 0.3048, 0.2350
Android (android.graphics.Color)	4293960447 (0xFFFF0A2FF)
YUV	195.9240, 29.1245, 38.6547
Hunter-Lab	71.7856, 40.5826, -33.1287

Details

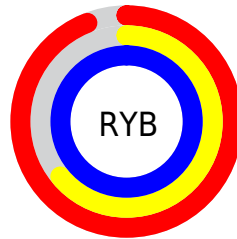
The CIELCh color $77, 55.846, 321.617$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $93, 55.170, 137.820$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $91, 23.170, 325.231$, and $57, 55.685, 321.711$ is the 20% darker color. If you saturate the color by 10%, you get $71, 70.608, 322.016$, and if you desaturate by 10%, it is $83, 40.560, 321.173$.

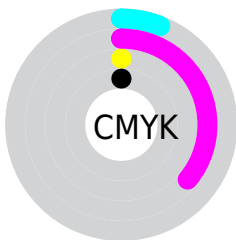
Distribution



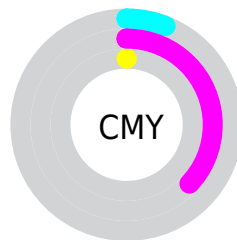
- Red (94%)
- Green (64%)
- Blue (100%)



- Red (94%)
- Yellow (64%)
- Blue (100%)



- Cyan (6%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 55.846, 321.617 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 77, 55.846, 321.617 by changing the saturation by 10% instead.


 77, 55.846,
321.617


 77, 55.846,
321.617


 100, 55.846,
321.617


 67, 55.846,
321.617


 97, 55.846,
321.617

 57, 55.846,
321.617

 47, 55.846,
321.617

 37, 55.846,
321.617

 27, 55.846,
321.617

 17, 55.846,
321.617

 7, 55.846, 321.617

■ 0, 55.846, 321.617

■ 77, 55.846,
321.617

■ 77, 55.846,
321.617

■ 71, 70.608,
322.016

■ 83, 40.560,
321.173

■ 66, 84.341,
322.338

■ 89, 25.131,
320.707

■ 62, 96.396,
322.548

■ 96, 9.807, 320.226

■ 58, 106.076,
322.604

100, 0.036,
108.049

■ 56, 112.804,
322.470

■ 54, 116.378,
322.123

■ 53,117.161,
321.970

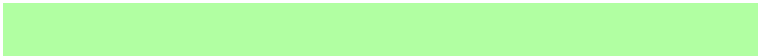
Harmonies

Complementary

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



77, 55.846, 321.617



93, 55.170, 137.820

Rectangle

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



77, 55.846, 321.617



77, 55.846, 11.617



77, 55.846, 141.617



77, 55.846, 191.617

Sweetspot

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



77, 55.843, 321.617



93, 16.713, 320.447



74, 42.067, 287.726



49, 11.242, 320.511



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 55.843, 321.617



73, 67.041, 321.922



78, 46.241, 338.527



50, 8.628, 320.375



40, 94.359, 322.071



10, 43.306, 322.780

Inverse Universe

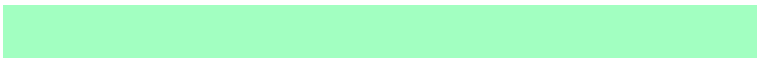
The Inverse Universe completely reimagines the original color for something new.



76, 36.908, 10.598



72, 45.153, 11.986



93, 45.552, 152.450



50, 5.363, 7.051



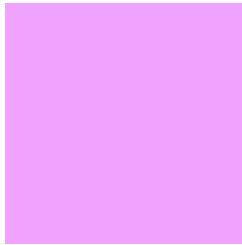
40, 76.898, 32.340



10, 32.213, 20.539

Previews

White Background



This preview shows how the CIELCh color 77, 55.846, 321.617 looks on a white background.

Color Contrast Check

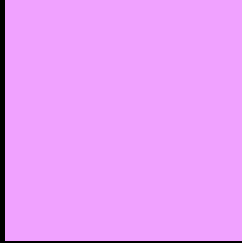
Large Text (above 18pt) WCAG AA × Fail

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 77, 55.846, 321.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

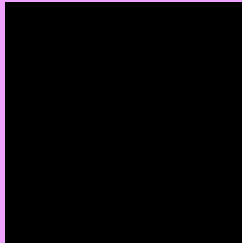
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 55.846, 321.617

Background



This preview shows how black text looks on a background with the CIELCh color 77, 55.846, 321.617.



This preview shows how white text looks on a background with the CIELCh color 77, 55.846, 321.617.

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

77, 55.846, 321.617

Protanopia

77, 36.167, 285.108

Deuteranopia

77, 33.915, 287.388



Tritanopia
77, 21.980, 3.048

Trichromacy



Original Color
77, 55.846, 321.617



Protanomaly
77, 41.391, 301.290



Deuteranomaly
77, 40.557, 303.268

Tritanomaly
77, 31.931, 337.683

Monochromacy



Original Color
77, 55.846, 321.617



Achromatopsia
79, 0.010, 296.813



Achromatomaly
78, 20.387, 320.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 55.846, 321.617 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(240, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 162, 255)  
}
```

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(240, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 162, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 55.846, 321.617 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(240, 162, 255) }
```

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

```
.border{ border-color:rgb(240, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 162,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 55.846, 321.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 162, 255) }
```

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

```
.background{ background-color: rgb(240,  
162, 255) }
```

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