

Converting Colors

CIELCh(77, 65.282, 315.055)

Have a look what the booklet for
CIELCh(77, 65.282, 315.055)
contains.

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Color

CIELCh(76, 55.607, 319.392)

Conversions

Conversions Part 1

Format	Color
Hex	E9A1FF
RGB	233, 161, 255
RGB Percent	91%, 63%, 100%
CMY	0.0873, 0.3696, 0.0010
CMYK	0.09, 0.37, 0.00, 0.00
HSL	286°, 99%, 81%
HSV	286°, 37%, 100%
XYZ	64.2291, 49.8872, 100.6310
YIQ	193.2440, 12.7380, 44.4980

Conversions

Conversions Part 2

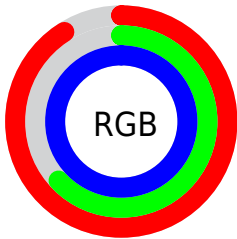
Format	Color
R _Y B	233, 161, 255
Decimal	15311359
CIE Lab	76.00, 42.22, -36.19
CIE LCh	76, 55.607, 319.392
Yxy	49.8872, 0.2991, 0.2323
Android (android.graphics.Color)	4293501439 (0xFFE9A1FF)
YUV	193.2440, 30.4457, 34.8660
Hunter-Lab	70.6309, 38.7171, -35.0315

Details

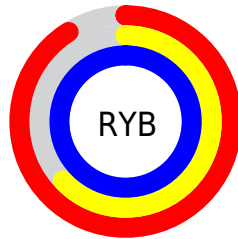
The CIELCh color $76, 55.607, 319.392$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 54.504, 135.814$, and the grayscale version is $78, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 23.800, 325.253$, and $56, 55.576, 319.380$ is the 20% darker color. If you saturate the color by 10%, you get $70, 70.348, 319.778$, and if you desaturate by 10%, it is $82, 40.462, 318.962$.

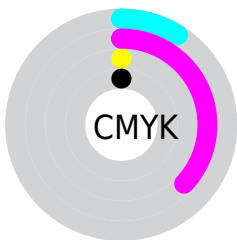
Distribution



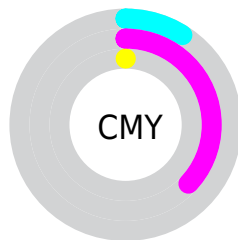
- Red (91%)
- Green (63%)
- Blue (100%)



- Red (91%)
- Yellow (63%)
- Blue (100%)



- Cyan (9%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 55.607, 319.392 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, 55.607, 319.392 by changing the saturation by 10% instead.


 76, 55.607,
319.392


 76, 55.607,
319.392


 100, 55.607,
319.392


 66, 55.607,
319.392


 96, 55.607,
319.392

 56, 55.607,
319.392

 46, 55.607,
319.392

 36, 55.607,
319.392

 26, 55.607,
319.392

 16, 55.607,
319.392

 6, 55.607, 319.392

■ 0, 55.607, 319.392

■ 76, 55.607,
319.392

■ 76, 55.607,
319.392

■ 70, 70.348,
319.778

■ 82, 40.462,
318.962

■ 65, 84.204,
320.085

■ 89, 25.259,
318.514

■ 60, 96.529,
320.268

■ 95, 10.215,
318.057

■ 56, 106.583,
320.272

■ 100, 0.121,
109.529

■ 53, 113.696,
320.046

■ 51, 117.576,
319.554

■ 50,118.384,
319.370

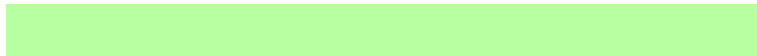
Harmonies

Complementary

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



76, 55.607, 319.392



93, 54.504, 135.814

Rectangle

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



76, 55.607, 319.392



76, 55.607, 9.392



76, 55.607, 139.392



76, 55.607, 189.392

Sweetspot

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



76, 55.605, 319.392



93, 16.379, 318.247



76, 38.372, 283.040



48, 11.019, 318.308



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, 55.605, 319.392



72, 66.205, 319.673



78, 49.416, 334.927



50, 8.454, 318.178



38, 95.363, 319.508



9, 43.680, 320.479

Inverse Universe

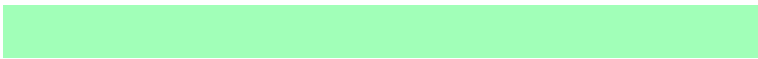
The Inverse Universe completely reimagines the original color for something new.



76, 37.727, 5.182



72, 45.411, 6.476



93, 49.081, 149.243



50, 5.500, 1.537



40, 73.329, 26.935



10, 31.787, 16.916

Previews

White Background



This preview shows how the CIELCh color 76, 55.607, 319.392 looks on a white background.

Color Contrast Check

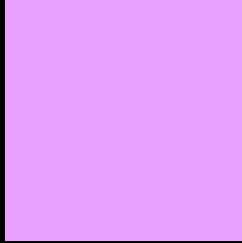
Large Text (above 18pt) WCAG AA × Fail

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, 55.607, 319.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

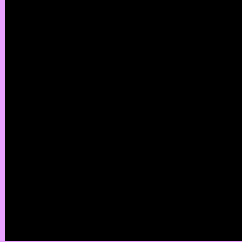
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 55.607, 319.392

Background



This preview shows how black text looks on a background with the CIELCh color 76, 55.607, 319.392.



This preview shows how white text looks on a background with the CIELCh color 76, 55.607, 319.392.

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, 55.607, 319.392

Protanopia
76, 37.917, 284.847

Deuteranopia
76, 35.119, 286.247



Tritanopia
76, 19.454, 0.243

Trichromacy



Original Color
76, 55.607, 319.392



Protanomaly
76, 42.993, 299.863



Deuteranomaly
76, 41.510, 301.323

Tritanomaly
76, 30.493, 334.554

Monochromacy



Original Color
76, 55.607, 319.392



Achromatopsia
78, 0.009, 296.813



Achromatomaly
77, 20.580, 318.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 55.607, 319.392 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(233, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 161, 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(233, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 161, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 55.607, 319.392 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(233, 161, 255) }
```

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

```
.border{ border-color:rgb(233, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 161,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 55.607, 319.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 161, 255) }
```

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

```
.background{ background-color: rgb(233,  
161, 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](#).

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