

Converting Colors

CIELCh(83, 130.772, 305.849)

Have a look what the booklet for
CIELCh(83, 130.772, 305.849)
contains.

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Color

CIELCh(75, 55.869, 316.635)

Conversions

Conversions Part 1

Format	Color
Hex	E1A0FF
RGB	225, 160, 255
RGB Percent	88%, 63%, 100%
CMY	0.1186, 0.3737, 0.0000
CMYK	0.12, 0.37, 0.00, 0.00
HSL	281°, 100%, 81%
HSV	281°, 37%, 100%
XYZ	61.6686, 48.2781, 101.3213
YIQ	190.2650, 8.2450, 43.3250

Conversions

Conversions Part 2

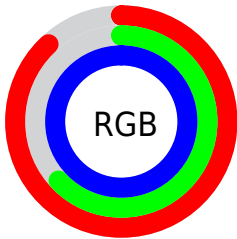
Format	Color
R _Y B	225, 160, 255
Decimal	14786815
CIE Lab	75.00, 40.62, -38.36
CIE LCh	75, 55.869, 316.635
Yxy	48.2781, 0.2919, 0.2285
Android (android.graphics.Color)	4292976895 (0xFFE1A0FF)
YUV	190.2650, 31.9144, 30.4626
Hunter-Lab	69.4824, 36.8320, -37.8207

Details

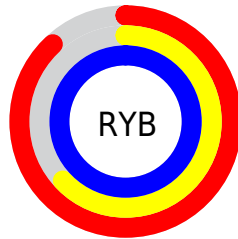
The CIELCh color $75, 55.869, 316.635$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 53.853, 133.344$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 24.429, 325.275$, and $55, 55.478, 316.734$ is the 20% darker color. If you saturate the color by 10%, you get $69, 70.275, 317.197$, and if you desaturate by 10%, it is $81, 40.469, 316.362$.

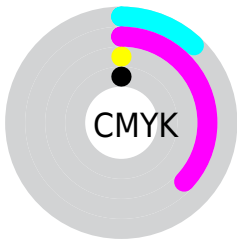
Distribution



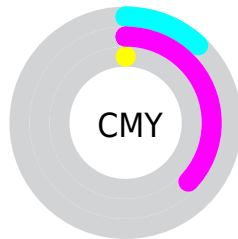
- Red (88%)
- Green (63%)
- Blue (100%)



- Red (88%)
- Yellow (63%)
- Blue (100%)



- Cyan (12%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (37%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 55.869, 316.635 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 75, 55.869, 316.635 by changing the saturation by 10% instead.


 75, 55.869,
316.635


 75, 55.869,
316.635


 100, 55.869,
316.635


 65, 55.869,
316.635


 95, 55.869,
316.635

 55, 55.869,
316.635

 45, 55.869,
316.635

 35, 55.869,
316.635

 25, 55.869,
316.635

 15, 55.869,
316.635

 5, 55.869, 316.635

■ 0, 55.869, 316.635

■ 75, 55.869,
316.635

■ 75, 55.869,
316.635

■ 69, 70.275,
317.197

■ 81, 40.469,
316.362

■ 63, 84.325,
317.519

■ 88, 25.470,
315.915

■ 58, 97.016,
317.708

■ 95, 10.692,
315.470

■ 53, 107.561,
317.698

■ 100, 0.012,
296.813

■ 50, 115.180,
317.416

■ 48, 119.469,
316.813

■ 47,120.284,
316.627

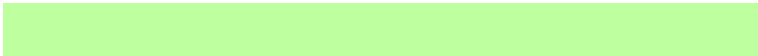
Harmonies

Complementary

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



75, 55.869, 316.635



94, 53.853, 133.344

Rectangle

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



75, 55.869, 316.635



75, 55.869, 6.635



75, 55.869, 136.635



75, 55.869, 186.635

Sweetspot

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



75, 55.504, 316.799



92, 16.027, 315.632



77, 34.997, 277.355



48, 10.784, 315.692



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 55.504, 316.799



70, 66.823, 317.108



78, 52.997, 331.756



49, 8.270, 315.565



35, 96.779, 316.797



8, 44.210, 318.007

Inverse Universe

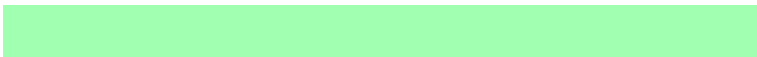
The Inverse Universe completely reimagines the original color for something new.



76, 39.173, 359.207



72, 47.331, 0.531



93, 52.912, 146.384



50, 5.716, 355.619



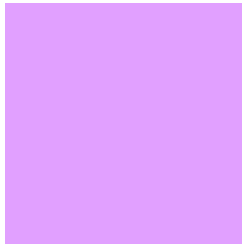
40, 70.119, 19.676



10, 31.396, 11.504

Previews

White Background



This preview shows how the CIELCh color 75, 55.869, 316.635 looks on a white background.

Color Contrast Check

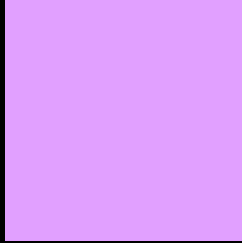
Large Text (above 18pt) WCAG AA × Fail

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 75, 55.869, 316.635 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 75, 55.869, 316.635

Background



This preview shows how black text looks on a background with the CIELCh color 75, 55.869, 316.635.



This preview shows how white text looks on a background with the CIELCh color 75, 55.869, 316.635.

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
75, 55.351, 316.844

Protanopia
75, 39.640, 285.066

Deuteranopia
75, 37.399, 286.067



Tritanopia
75, 16.639, 356.103

Trichromacy



Original Color
75, 55.351, 316.844



Protanomaly
75, 44.061, 298.589



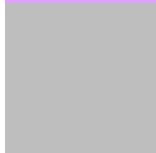
Deuteranomaly
75, 42.516, 299.508

Tritanomaly
75, 29.122, 329.287

Monochromacy



Original Color
75, 55.351, 316.844



Achromatopsia
77, 0.009, 296.813



Achromatomaly
76, 20.797, 315.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 55.869, 316.635 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(225, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 160, 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(225, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 160, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 55.869, 316.635 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(225, 160, 255) }
```

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

```
.border{ border-color:rgb(225, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 160, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 160, 255); box-shadow:4px 4px 4px 4px rgb(225, 160, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 55.869, 316.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 160, 255) }
```

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

```
.background{ background-color: rgb(225,  
160, 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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