

Converting Colors

CIELCh(83, 132.809, 306.757)

Have a look what the booklet for
CIELCh(83, 132.809, 306.757)
contains.

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Color

CIELCh(75, 58.453, 319.211)

Conversions

Conversions Part 1

Format	Color
Hex	E89DFF
RGB	232, 157, 255
RGB Percent	91%, 62%, 100%
CMY	0.0920, 0.3863, 0.0000
CMYK	0.09, 0.39, 0.00, 0.00
HSL	286°, 100%, 81%
HSV	286°, 39%, 100%
XYZ	63.2373, 48.2781, 101.0473
YIQ	190.5970, 13.2420, 46.3780

Conversions

Conversions Part 2

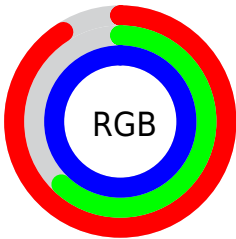
Format	Color
RYB	232, 157, 255
Decimal	15244799
CIELab	75.00, 44.26, -38.19
CIELCh	75, 58.453, 319.211
Yxy	48.2781, 0.2975, 0.2271
Android (android.graphics.Color)	4293434879 (0xFFE89DFF)
YUV	190.5970, 31.7507, 36.3104
Hunter-Lab	69.4824, 40.8619, -37.5869

Details

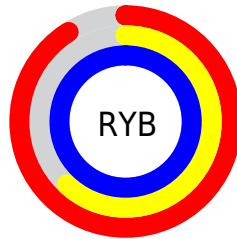
The CIELCh color $75, 58.453, 319.211$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 56.979, 135.588$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 26.319, 325.341$, and $55, 57.961, 319.444$ is the 20% darker color. If you saturate the color by 10%, you get $69, 72.847, 319.710$, and if you desaturate by 10%, it is $81, 43.094, 318.910$.

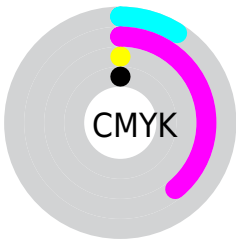
Distribution



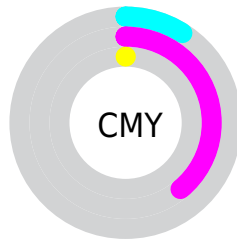
- Red (91%)
- Green (62%)
- Blue (100%)



- Red (91%)
- Yellow (62%)
- Blue (100%)



- Cyan (9%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (39%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 58.453, 319.211 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, 58.453, 319.211 by changing the saturation by 10% instead.


 75, 58.453,
319.211


 75, 58.453,
319.211


 100, 58.453,
319.211


 65, 58.453,
319.211


 95, 58.453,
319.211

 55, 58.453,
319.211

 45, 58.453,
319.211

 35, 58.453,
319.211

 25, 58.453,
319.211

 15, 58.453,
319.211

 5, 58.453, 319.211

■ 0, 58.453, 319.211

■ 75, 58.453,
319.211

■ 75, 58.453,
319.211

■ 69, 72.847,
319.710

■ 81, 43.094,
318.910

■ 64, 86.511,
319.999

■ 88, 27.881,
318.464

■ 59, 98.529,
320.154

■ 94, 12.800,
318.011

■ 55, 108.152,
320.120

■ 100, 0.012,
296.813

■ 52, 114.744,
319.845

■ 51, 118.195,
319.309

■ 50,118.558,
319.228

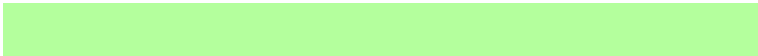
Harmonies

Complementary

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



75, 58.453, 319.211



93, 56.979, 135.588

Rectangle

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



75, 58.453, 319.211



75, 58.453, 9.211



75, 58.453, 139.211



75, 58.453, 189.211

Sweetspot

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



75, 58.203, 319.334



92, 17.864, 318.165



74, 40.305, 283.404



48, 11.863, 318.224



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, 58.203, 319.334



71, 69.073, 319.618



77, 51.696, 335.062



50, 8.444, 318.051



38, 95.427, 319.368



9, 43.704, 320.353

Inverse Universe

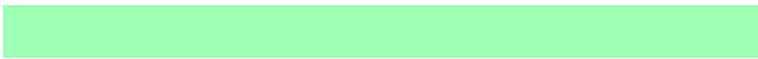
The Inverse Universe completely reimagines the original color for something new.



75, 39.660, 5.172



71, 47.579, 6.567



93, 51.361, 149.052



50, 5.509, 1.233



40, 73.143, 26.598



10, 31.764, 16.680

Previews

White Background



This preview shows how the CIELCh color 75, 58.453, 319.211 looks on a white background.

Color Contrast Check

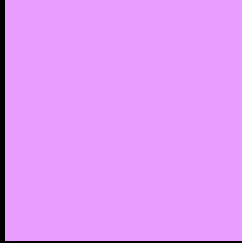
Large Text (above 18pt) WCAG AA × Fail

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, 58.453, 319.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

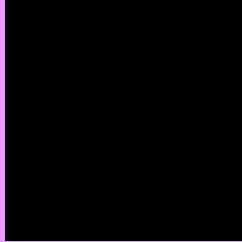
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 58.453, 319.211

Background



This preview shows how black text looks on a background with the CIELCh color 75, 58.453, 319.211.

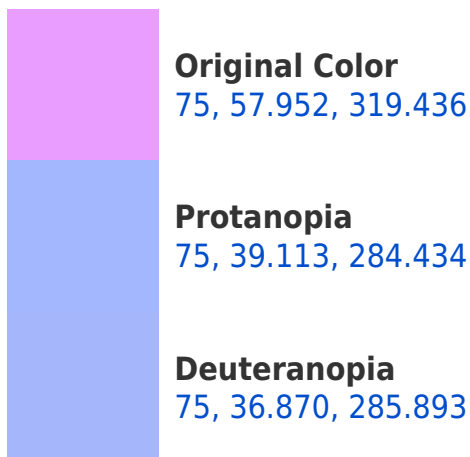


This preview shows how white text looks on a background with the CIELCh color 75, 58.453, 319.211.

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





Tritanopia
75, 20.414, 359.724

Trichromacy



Original Color
75, 57.952, 319.436



Protanomaly
75, 44.713, 299.780



Deuteranomaly
75, 43.219, 301.158

Tritanomaly
75, 31.812, 334.278

Monochromacy



Original Color
75, 57.952, 319.436



Achromatopsia
77, 0.009, 296.813



Achromatomaly
76, 21.745, 318.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 58.453, 319.211 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(232, 157, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 157, 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(232, 157, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 157, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 58.453, 319.211 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(232, 157, 255) }
```

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

```
.border{ border-color:rgb(232, 157, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 157, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 157, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 157, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 157,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 58.453, 319.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 157, 255) }
```

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

```
.background{ background-color: rgb(232,  
157, 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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