

Converting Colors

CIELCh(72, 115.108, 313.404)

Have a look what the booklet for
CIELCh(72, 115.108, 313.404)
contains.

CIELCh(68, 80.187, 322.233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 80.187, 322.233)

Conversions

Conversions Part 1

Format	Color
Hex	EA77FF
RGB	234, 119, 255
RGB Percent	92%, 47%, 100%
CMY	0.0842, 0.5314, 0.0000
CMYK	0.08, 0.53, 0.00, 0.00
HSL	290°, 100%, 73%
HSV	290°, 53%, 100%
XYZ	58.5594, 37.9720, 99.2797
YIQ	168.8890, 24.8840, 66.6760

Conversions

Conversions Part 2

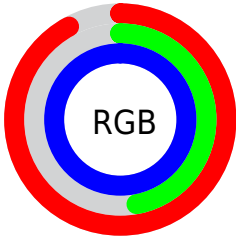
Format	Color
R _Y B	234, 119, 255
Decimal	15366143
CIE Lab	68.00, 63.39, -49.11
CIE LCh	68, 80.187, 322.233
Yxy	37.9720, 0.2991, 0.1939
Android (android.graphics.Color)	4293556223 (0xFFEA77FF)
YUV	168.8890, 42.4527, 57.1023
Hunter-Lab	61.6215, 61.7926, -52.3885

Details

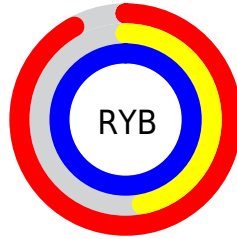
The CIELCh color $68, 80.187, 322.233$ is a light color, and the websafe version is hex FF66FF . A complement of this color would be $91, 78.939, 136.642$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $81, 50.046, 326.153$, and $48, 80.294, 322.270$ is the 20% darker color. If you saturate the color by 10%, you get $63, 92.648, 322.581$, and if you desaturate by 10%, it is $73, 65.821, 321.975$.

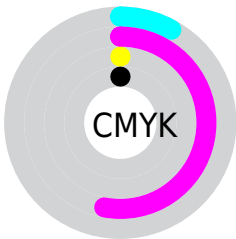
Distribution



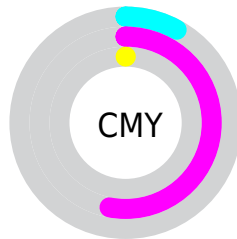
- Red (92%)
- Green (47%)
- Blue (100%)



- Red (92%)
- Yellow (47%)
- Blue (100%)



- Cyan (8%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (53%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 80.187, 322.233 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 68, 80.187, 322.233 by changing the saturation by 10% instead.


 68, 80.187,
322.233


 68, 80.187,
322.233


 100, 80.187,
322.233


 58, 80.187,
322.233


 88, 80.187,
322.233

 48, 80.187,
322.233

 98, 80.187,
322.233

 38, 80.187,
322.233

 28, 80.187,
322.233

 18, 80.187,
322.233

 8, 80.187, 322.233

 0, 80.187, 322.233

68, 80.187,
322.233

68, 80.187,
322.233

63, 92.648,
322.581

73, 65.821,
321.975

59, 103.182,
322.694

79, 50.827,
321.557

56, 110.925,
322.630

85, 35.449,
321.103

54, 115.522,
322.361

91, 20.017,
320.632

54, 117.152,
322.072

98, 4.751, 320.126

100, 0.012,
296.813

Harmonies

Complementary

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



68, 80.187, 322.233



91, 78.939, 136.642

Rectangle

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



68, 80.187, 322.233



68, 80.187, 12.233



68, 80.187, 142.233



68, 80.187, 192.233

Sweetspot

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



68, 79.963, 322.328



90, 24.417, 320.768



62, 63.180, 291.391



46, 16.506, 320.865



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 79.963, 322.328



63, 93.646, 322.596



69, 65.654, 340.176



50, 8.635, 320.457



40, 94.326, 322.172



10, 43.294, 322.871

Inverse Universe

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



67, 55.161, 14.247



62, 66.647, 17.344



91, 64.977, 150.336



50, 5.359, 7.268



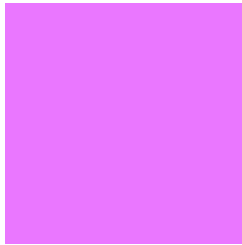
40, 77.041, 32.525



10, 32.229, 20.657

Previews

White Background



This preview shows how the CIELCh color 68, 80.187, 322.233 looks on a white background.

Color Contrast Check

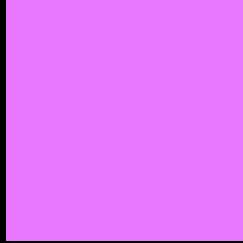
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 80.187, 322.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

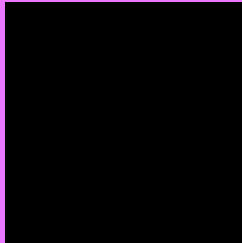
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 80.187, 322.233

Background



This preview shows how black text looks on a background with the CIELCh color 68, 80.187, 322.233.

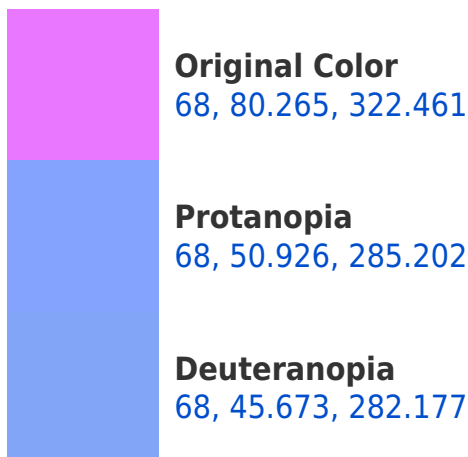


This preview shows how white text looks on a background with the CIELCh color 68, 80.187, 322.233.

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
68, 30.393, 11.276

Trichromacy



Original Color
68, 80.265, 322.461



Protanomaly
67, 60.097, 301.713



Deuteranomaly
67, 56.812, 301.574

Tritanomaly
68, 44.121, 340.590

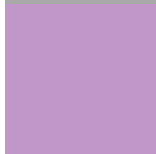
Monochromacy



Original Color
68, 80.265, 322.461



Achromatopsia
69, 0.009, 296.813



Achromatomaly
68, 30.785, 321.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 80.187, 322.233 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(234, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 119, 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(234, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 119, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 80.187, 322.233 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(234, 119, 255) }
```

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

```
.border{ border-color:rgb(234, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 119,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 80.187, 322.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 119, 255) }
```

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

```
.background{ background-color: rgb(234,  
119, 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