

Converting Colors

CIELCh(68, 85.100, 325.270)

Have a look what the booklet for
CIELCh(68, 85.100, 325.270)
contains.

CIELCh(68, 85.310, 325.190)	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, 85.310, 325.190)

Conversions

Conversions Part 1

Format	Color
Hex	F56FFF
RGB	245, 111, 255
RGB Percent	96%, 44%, 100%
CMY	0.0395, 0.5649, 0.0002
CMYK	0.04, 0.56, 0.00, 0.00
HSL	296°, 100%, 72%
HSV	296°, 56%, 100%
XYZ	61.3507, 37.9720, 98.6501
YIQ	167.4820, 33.6400, 73.1920

Conversions

Conversions Part 2

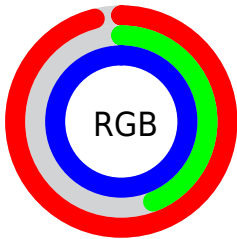
Format	Color
RYB	245, 111, 255
Decimal	16084991
CIELab	68.00, 70.04, -48.70
CIELCh	68, 85.310, 325.190
Yxy	37.9720, 0.3099, 0.1918
Android (android.graphics.Color)	4294275071 (0xFFFF56FFF)
YUV	167.4820, 43.1464, 67.9833
Hunter-Lab	61.6215, 69.8782, -51.7826

Details

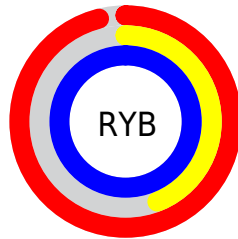
The CIELCh color $68, 85.310, 325.190$ is a light color, and the websafe version is hex FF66FF . A complement of this color would be $90, 85.389, 138.272$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 54.319, 326.296$, and $48, 85.411, 325.189$ is the 20% darker color. If you saturate the color by 10%, you get $64, 96.955, 325.468$, and if you desaturate by 10%, it is $73, 71.776, 324.819$.

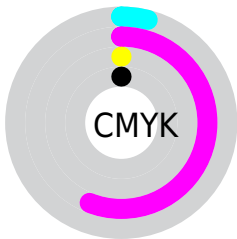
Distribution



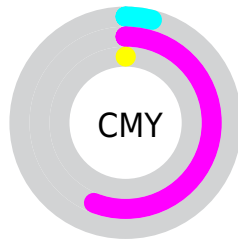
- Red (96%)
- Green (44%)
- Blue (100%)



- Red (96%)
- Yellow (44%)
- Blue (100%)



- Cyan (4%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (56%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 85.310, 325.190 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, 85.310, 325.190 by changing the saturation by 10% instead.

 68, 85.310,
325.190


 68, 85.310,
325.190


 100, 85.310,
325.190


 58, 85.310,
325.190


 88, 85.310,
325.190

 48, 85.310,
325.190

 98, 85.310,
325.190

 38, 85.310,
325.190

 28, 85.310,
325.190

 18, 85.310,
325.190

 8, 85.310, 325.190

 0, 85.310, 325.190

68, 85.310,
325.190

68, 85.310,
325.190

64, 96.955,
325.468

73, 71.776,
324.819

61, 106.086,
325.627

78, 57.002,
324.381

59, 112.244,
325.649

84, 41.535,
323.899

58, 115.374,
325.530

90, 25.796,
323.392

57, 116.027,
325.467

96, 10.084,
322.865

100, 0.020,
106.366

Harmonies

Complementary

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



68, 85.310, 325.190



90, 85.389, 138.272

Rectangle

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



68, 85.310, 325.190



68, 85.310, 15.190



68, 85.310, 145.190



68, 85.310, 195.190

Sweetspot

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



68, 85.307, 325.190



89, 26.619, 323.419



57, 74.847, 295.918



46, 17.818, 323.522



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, 85.307, 325.190



64, 98.537, 325.500



67, 65.751, 345.082



50, 8.865, 323.028



43, 93.461, 325.514



11, 42.969, 325.836

Inverse Universe

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



65, 59.911, 21.800



60, 72.986, 25.322



91, 64.018, 153.343



50, 5.267, 14.330



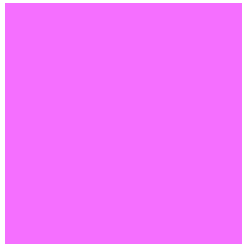
40, 81.351, 37.361



10, 32.818, 24.375

Previews

White Background



This preview shows how the CIELCh color 68, 85.310, 325.190 looks on a white background.

Color Contrast Check

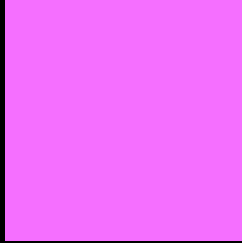
Large Text (above 18pt) WCAG AA × Fail

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, 85.310, 325.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

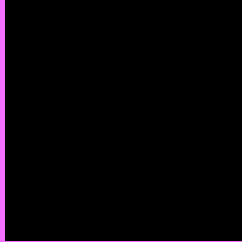
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 85.310, 325.190

Background



This preview shows how black text looks on a background with the CIELCh color 68, 85.310, 325.190.

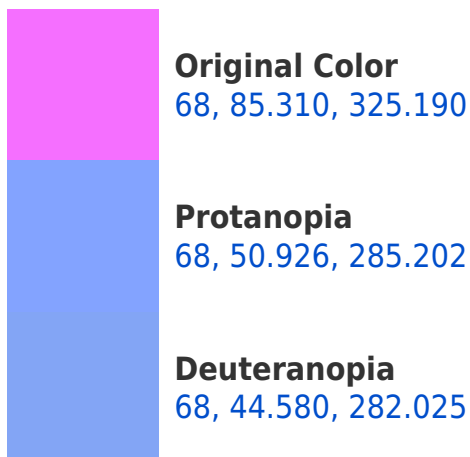


This preview shows how white text looks on a background with the CIELCh color 68, 85.310, 325.190.

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, 37.843, 15.293

Trichromacy



Original Color
68, 85.310, 325.190



Protanomaly
66, 62.034, 303.591



Deuteranomaly
66, 58.236, 303.631

Tritanomaly
68, 50.067, 345.699

Monochromacy



Original Color
68, 85.310, 325.190



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 33.453, 323.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 85.310, 325.190 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(245, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 111, 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(245, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 111, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 85.310, 325.190 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(245, 111, 255) }
```

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

```
.border{ border-color:rgb(245, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 111,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 85.310, 325.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 111, 255) }
```

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

```
.background{ background-color: rgb(245,  
111, 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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