

Converting Colors

CIELCh(58, 102.135, 320.842)

Have a look what the booklet for
CIELCh(58, 102.135, 320.842)
contains.

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Color

CIELCh(58, 102.188, 320.820)

Conversions

Conversions Part 1

Format	Color
Hex	D646FE
RGB	214, 70, 254
RGB Percent	84%, 27%, 100%
CMY	0.1593, 0.7239, 0.0025
CMYK	0.16, 0.72, 0.00, 0.00
HSL	287°, 99%, 64%
HSV	287°, 72%, 100%
XYZ	48.0021, 25.9610, 96.5502
YIQ	134.0320, 26.7600, 87.7520

Conversions

Conversions Part 2

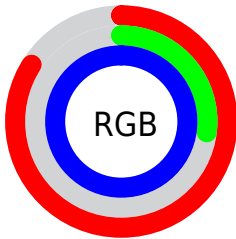
Format	Color
RYB	214, 70, 254
Decimal	14042878
CIELab	58.00, 79.21, -64.56
CIELCh	58, 102.188, 320.820
Yxy	25.9610, 0.2815, 0.1523
Android (android.graphics.Color)	4292232958 (0xFFD646FE)
YUV	134.0320, 59.1442, 70.1319
Hunter-Lab	50.9519, 79.0001, -76.6839

Details

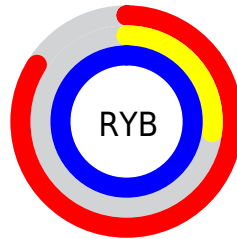
The CIELCh color **58, 102.188, 320.820** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 100.109, 134.194**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 75.772, 327.001**, and **40, 96.752, 320.354** is the 20% darker color. If you saturate the color by 10%, you get **55, 110.579, 320.717**, and if you desaturate by 10%, it is **62, 91.117, 320.723**.

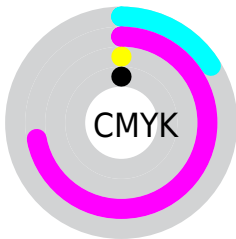
Distribution



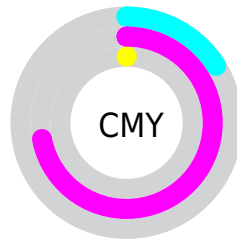
- Red (84%)
- Green (27%)
- Blue (100%)



- Red (84%)
- Yellow (27%)
- Blue (100%)



- Cyan (16%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (72%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 102.188, 320.820 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 58, 102.188, 320.820 by changing the saturation by 10% instead.


 58, 102.188,
320.820


 58, 102.188,
320.820


 100, 102.188,
320.820


 48, 102.188,
320.820


 78, 102.188,
320.820


 38, 102.188,
320.820


 88, 102.188,
320.820

 28, 102.188,
320.820

 98, 102.188,
320.820

 18, 102.188,
320.820

 8, 102.188,
320.820

 0, 102.188,
320.820

58, 102.188,
320.820

58, 102.188,
320.820

55, 110.579,
320.717

62, 91.117,
320.723

52, 115.811,
320.370

67, 78.086,
320.476

51, 117.930,
319.952

73, 63.796,
320.128

79, 48.827,
319.717

85, 33.604,
319.274

92, 18.415,
318.819

98, 3.443, 318.320

100, 0.312,
109.907

Harmonies

Complementary

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



58, 102.188, 320.820



89, 100.109, 134.194

Rectangle

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



58, 102.188, 320.820



58, 102.188, 10.820



58, 102.188, 140.820



58, 102.188, 190.820

Sweetspot

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



58, 102.186, 320.820



86, 33.180, 319.260



52, 81.140, 293.361



44, 22.326, 319.382



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 102.186, 320.820



54, 113.655, 320.586



62, 85.883, 338.919



50, 8.493, 318.690



38, 95.111, 320.082



9, 43.586, 320.997

Inverse Universe

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



59, 73.480, 15.685



55, 84.885, 22.293



89, 88.739, 144.857



50, 5.464, 2.777



40, 74.105, 28.266



10, 31.882, 17.835

Previews

White Background



This preview shows how the CIELCh color 58, 102.188, 320.820 looks on a white background.

Color Contrast Check

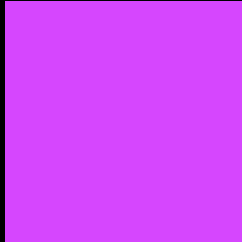
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 102.188, 320.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

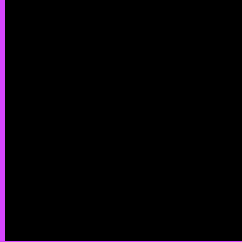
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 102.188, 320.820

Background



This preview shows how black text looks on a background with the CIELCh color 58, 102.188, 320.820.



This preview shows how white text looks on a background with the CIELCh color 58, 102.188,

320.820.

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

58, 102.188, 320.820

Protanopia

58, 67.693, 286.593

Deuteranopia

58, 58.585, 279.016



Tritanopia
58, 33.642, 15.920

Trichromacy



Original Color
58, 102.188, 320.820



Protanomaly
55, 81.402, 301.244



Deuteranomaly
55, 74.853, 298.081



Tritanomaly
57, 53.802, 338.656

Monochromacy



Original Color
58, 102.188, 320.820



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 42.485, 319.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 102.188, 320.820 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(214, 70, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 70, 254)  
}
```

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(214, 70, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 70, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 102.188, 320.820 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(214, 70, 254) }
```

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

```
.border{ border-color:rgb(214, 70, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 70, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 70, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 70, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 70,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 102.188, 320.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 70, 254) }
```

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

```
.background{ background-color: rgb(214, 70,  
254) }
```

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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