

Converting Colors

CIELCh(58, 115.889, 326.182)

Have a look what the booklet for
CIELCh(58, 115.889, 326.182)
contains.

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Color

CIELCh(58, 115.887, 326.194)

Conversions

Conversions Part 1

Format	Color
Hex	F200FF
RGB	242, 0, 255
RGB Percent	95%, 0%, 100%
CMY	0.0526, 1.0000, 0.0015
CMYK	0.05, 1.00, 0.00, 0.00
HSL	297°, 100%, 50%
HSV	297°, 100%, 100%
XYZ	54.4485, 25.9610, 96.4287
YIQ	101.4280, 62.3770, 130.6090

Conversions

Conversions Part 2

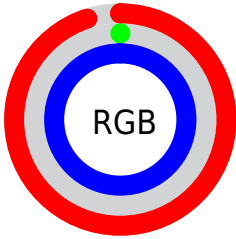
Format	Color
R _Y B	242, 0, 255
Decimal	15859967
CIE _{Lab}	58.00, 96.29, -64.48
CIE _{LCh}	58, 115.887, 326.194
Yxy	25.9610, 0.3079, 0.1468
Android (android.graphics.Color)	4294050047 (0xFFFF200FF)
YUV	101.4280, 75.7110, 123.2816
Hunter-Lab	50.9519, 101.5836, -76.5425

Details

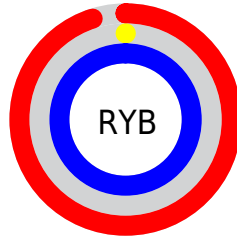
The CIELCh color **58, 115.887, 326.194** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **88, 119.405, 135.872**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **44, 95.644, 325.056** is the 20% darker color. If you saturate the color by 10%, you get **58, 115.757, 326.188**, and if you desaturate by 10%, it is **59, 113.473, 326.289**.

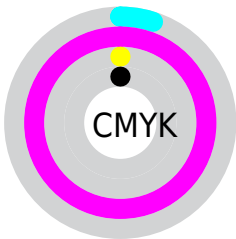
Distribution



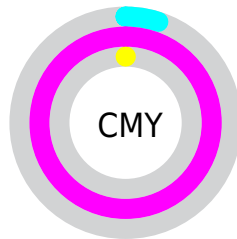
- Red (95%)
- Green (0%)
- Blue (100%)



- Red (95%)
- Yellow (0%)
- Blue (100%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 115.887, 326.194 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, 115.887, 326.194 by changing the saturation by 10% instead.


 58, 115.887,
326.194


 58, 115.887,
326.194


 100, 115.887,
326.194


 48, 115.887,
326.194


 78, 115.887,
326.194


 38, 115.887,
326.194


 88, 115.887,
326.194

 28, 115.887,
326.194

 98, 115.887,
326.194

 18, 115.887,
326.194

 8, 115.887,
326.194

 0, 115.887,
326.194

■ 58, 115.887,
326.194

■ 58, 115.887,
326.194

■ 58, 115.757,
326.188

■ 59, 113.473,
326.289

■ 61, 108.498,
326.274

■ 63, 100.487,
326.131

■ 67, 89.754,
325.872

■ 71, 76.873,
325.516

■ 76, 62.491,
325.087

■ 82, 47.200,
324.607

■ 87, 31.475,

324.097

94, 15.666,
323.568

Harmonies

Complementary

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



58, 115.887, 326.194



88, 119.405, 135.872

Rectangle

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



58, 115.887, 326.194



58, 115.887, 16.194



58, 115.887, 146.194



58, 115.887, 196.194

Sweetspot

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



58, 115.757, 326.188



82, 47.257, 324.607



33, 130.874, 305.706



41, 32.176, 324.814



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, 115.757, 326.188



58, 115.888, 326.188



55, 85.881, 356.599



50, 8.915, 323.542



44, 93.336, 326.223



12, 42.921, 326.462

Inverse Universe

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



53, 102.499, 38.600



53, 102.618, 38.602



88, 95.949, 145.561



49, 5.259, 15.807



40, 82.077, 38.064



10, 32.956, 25.123

Previews

White Background



This preview shows how the CIE LCh color 58, 115.887, 326.194 looks on a white background.

Color Contrast Check

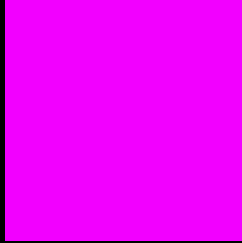
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.887, 326.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

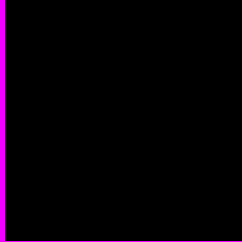
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 115.887, 326.194

Background



This preview shows how black text looks on a background with the CIELCh color 58, 115.887, 326.194.



This preview shows how white text looks on a background with the CIELCh color 58, 115.887, 326.194.

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, 115.887, 326.194

Protanopia

59, 67.066, 286.461

Deuteranopia

59, 56.173, 279.070



Tritanopia
58, 53.354, 22.441

Trichromacy



Original Color

58, 115.887, 326.194



Protanomaly

51, 95.880, 307.201



Deuteranomaly

50, 89.221, 306.001



Tritanomaly

55, 72.757, 347.788

Monochromacy



Original Color

58, 115.887, 326.194



Achromatopsia

43, 0.006, 296.813



Achromatomaly

42, 60.288, 325.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 115.887, 326.194 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(242, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 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(242, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 115.887, 326.194 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(242, 0, 255) }
```

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

```
.border{ border-color:rgb(242, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 115.887, 326.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 255) }
```

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

```
.background{ background-color: rgb(242, 0,  
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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