

Converting Colors

CIELCh(58, 100.836, 336.672)

Have a look what the booklet for
CIELCh(58, 100.836, 336.672)
contains.

CIELCh(58, 100.761, 336.728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(58, 100.761, 336.728)

Conversions

Conversions Part 1

Format	Color
Hex	FF00D3
RGB	255, 0, 211
RGB Percent	100%, 0%, 83%
CMY	0.0000, 0.9999, 0.1726
CMYK	0.00, 1.00, 0.17, 0.00
HSL	310°, 100%, 50%
HSV	310°, 100%, 100%
XYZ	52.9942, 25.9610, 63.8424
YIQ	100.2990, 84.2490, 119.6810

Conversions

Conversions Part 2

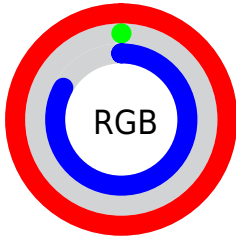
Format	Color
R_{YB}	255, 0, 211
Decimal	16711891
CIE _{Lab}	58.00, 92.56, -39.81
CIE _{LCh}	58, 100.761, 336.728
Yxy	25.9610, 0.3711, 0.1818
Android (android.graphics.Color)	4294901971 (0xFFFF00D3)
YUV	100.2990, 54.5756, 135.6728
Hunter-Lab	50.9519, 96.4888, -38.6237

Details

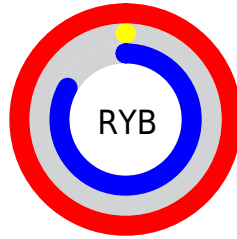
The CIELCh color **58, 100.761, 336.728** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **88, 114.923, 137.726**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **44, 80.714, 337.690** is the 20% darker color. If you saturate the color by 10%, you get **58, 100.758, 336.729**, and if you desaturate by 10%, it is **59, 99.882, 335.814**.

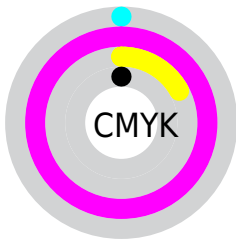
Distribution



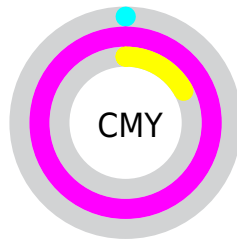
- Red (100%)
- Green (0%)
- Blue (83%)



- Red (100%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 100.761, 336.728 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, 100.761, 336.728 by changing the saturation by 10% instead.


 58, 100.761,
336.728


 58, 100.761,
336.728


 100, 100.761,
336.728


 48, 100.761,
336.728


 78, 100.761,
336.728


 38, 100.761,
336.728


 88, 100.761,
336.728

 28, 100.761,
336.728

 98, 100.761,
336.728

 18, 100.761,
336.728

 8, 100.761,
336.728

 0, 100.761,
336.728

■ 58, 100.761,
336.728

■ 58, 100.761,
336.728

■ 58, 100.758,
336.729

■ 59, 99.882,
335.814

■ 61, 96.343,
334.991

■ 63, 89.795,
334.235

■ 67, 80.547,
333.519

■ 71, 69.174,
332.825

■ 76, 56.320,
332.146

■ 82, 42.570,
331.478

■ 88, 28.391,

330.823

94, 14.123,
330.176

Harmonies

Complementary

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



58, 100.761, 336.728



88, 114.923, 137.726

Rectangle

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



58, 100.761, 336.728



58, 100.761, 26.728



58, 100.761, 156.728



58, 100.761, 206.728

Sweetspot

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



58, 100.757, 336.728



82, 42.589, 331.479



33, 132.529, 306.889



41, 28.989, 331.759



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, 100.757, 336.728



58, 100.760, 336.729



54, 86.886, 19.265



50, 8.037, 330.145



44, 81.341, 336.556



12, 38.020, 335.384

Inverse Universe

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



58, 100.757, 336.728



58, 100.760, 336.729



89, 74.232, 158.831



50, 8.037, 330.145



44, 81.341, 336.556



12, 38.020, 335.384

Previews

White Background



This preview shows how the CIE LCh color 58, 100.761, 336.728 looks on a white background.

Color Contrast Check

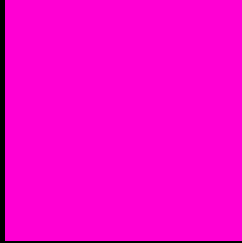
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.761, 336.728 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, 100.761, 336.728

Background



This preview shows how black text looks on a background with the CIELCh color 58, 100.761, 336.728.



This preview shows how white text looks on a background with the CIELCh color 58, 100.761, 336.728.

336.728.

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, 100.761, 336.728

Protanopia

59, 67.019, 286.727

Deuteranopia

59, 33.758, 283.842



Tritanopia
58, 69.421, 27.285

Trichromacy



Original Color
58, 100.761, 336.728



Protanomaly
51, 87.649, 308.818



Deuteranomaly
52, 69.463, 318.150



Tritanomaly
56, 75.917, 2.213

Monochromacy



Original Color
58, 100.761, 336.728



Achromatopsia
42, 0.006, 296.813



Achromatomaly
42, 53.598, 333.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 100.761, 336.728 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(255, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 211)  
}
```

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(255, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 100.761, 336.728 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(255, 0, 211) }
```

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

```
.border{ border-color:rgb(255, 0, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 100.761, 336.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 211) }
```

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

```
.background{ background-color: rgb(255, 0,  
211) }
```

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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