

Converting Colors

CIELCh(58, 98.734, 337.893)

Have a look what the booklet for
CIELCh(58, 98.734, 337.893)
contains.

CIELCh(58, 98.641, 337.949)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 98.641, 337.949)

Conversions

Conversions Part 1

Format	Color
Hex	FF0ACE
RGB	255, 10, 206
RGB Percent	100%, 4%, 81%
CMY	0.0000, 0.9618, 0.1916
CMYK	0.00, 0.96, 0.19, 0.00
HSL	312°, 100%, 52%
HSV	312°, 96%, 100%
XYZ	52.5559, 25.9610, 60.7171
YIQ	105.5990, 83.1040, 112.8960

Conversions

Conversions Part 2

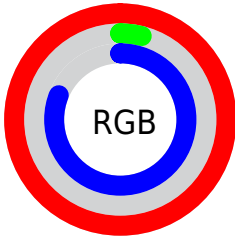
Format	Color
R _Y B	255, 10, 206
Decimal	16714446
CIE Lab	58.00, 91.43, -37.03
CIE LCh	58, 98.641, 337.949
Yxy	25.9610, 0.3775, 0.1865
Android (android.graphics.Color)	4294904526 (0xFFFF0ACE)
YUV	105.5990, 49.4977, 131.0247
Hunter-Lab	50.9519, 94.9534, -34.9869

Details

The CIELCh color **58, 98.641, 337.949** 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, 111.624, 138.775**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.029, 327.423**, and **44, 79.180, 339.290** is the 20% darker color. If you saturate the color by 10%, you get **58, 98.727, 338.352**, and if you desaturate by 10%, it is **59, 97.055, 336.867**.

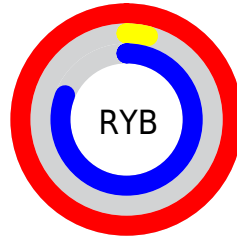
Distribution



Red (100%)

Green (4%)

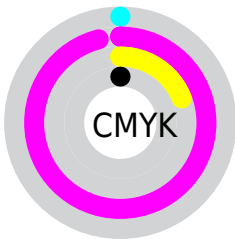
Blue (81%)



Red (100%)

Yellow (4%)

Blue (81%)

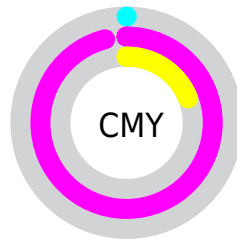


Cyan (0%)

Magenta (96%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (96%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 98.641, 337.949 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, 98.641, 337.949 by changing the saturation by 10% instead.

 58, 98.641,
337.949

 58, 98.641,
337.949


 100, 98.641,
337.949

 48, 98.641,
337.949


 78, 98.641,
337.949

 38, 98.641,
337.949

 88, 98.641,
337.949

 28, 98.641,
337.949

 98, 98.641,
337.949

 18, 98.641,
337.949

 8, 98.641, 337.949

 0, 98.641, 337.949

■ 58, 98.641,
337.949

■ 58, 98.641,
337.949

■ 58, 98.727,
338.352

■ 59, 97.055,
336.867

■ 61, 92.506,
335.944

■ 64, 85.033,
335.109

■ 68, 75.079,
334.332

■ 73, 63.269,
333.592

■ 78, 50.234,
332.878

■ 84, 36.516,
332.186

■ 90, 22.524,

331.513

 96, 8.549, 330.844

Harmonies

Complementary

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



58, 98.641, 337.949



88, 111.624, 138.775

Rectangle

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



58, 98.641, 337.949



58, 98.641, 27.949



58, 98.641, 157.949



58, 98.641, 207.949

Sweetspot

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



58, 98.629, 337.920



82, 40.432, 332.379



34, 130.424, 306.971



41, 27.690, 332.674



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, 98.629, 337.920



58, 98.727, 338.352



54, 86.022, 18.695



50, 7.887, 331.071



43, 79.724, 338.140



11, 37.343, 336.714

Inverse Universe

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



58, 98.629, 337.920



58, 98.727, 338.352



89, 71.380, 160.930



50, 7.887, 331.071



43, 79.724, 338.140



11, 37.343, 336.714

Previews

White Background



This preview shows how the CIELCh color 58, 98.641, 337.949 looks on a white background.

Color Contrast Check

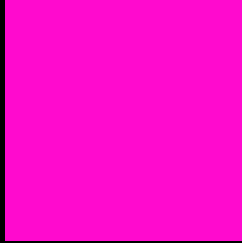
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 58, 98.641, 337.949 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, 98.641, 337.949

Background



This preview shows how black text looks on a background with the CIELCh color 58, 98.641, 337.949.



This preview shows how white text looks on a background with the CIELCh color 58, 98.641, 337.949.

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, 98.573, 337.953

Protanopia
59, 67.624, 286.982

Deuteranopia
58, 31.433, 284.952



Tritanopia
58, 70.751, 27.637

Trichromacy



Original Color
58, 98.573, 337.953



Protanomaly
51, 84.924, 308.506



Deuteranomaly
52, 65.453, 319.418



Tritanomaly
57, 75.518, 3.909

Monochromacy



Original Color
58, 98.573, 337.953



Achromatopsia
44, 0.006, 296.813



Achromatomaly
44, 51.692, 334.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 98.641, 337.949 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, 10, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 206)  
}
```

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, 10, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 98.641, 337.949 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, 10, 206) }
```

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

```
.border{ border-color:rgb(255, 10, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 98.641, 337.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 206) }
```

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

```
.background{ background-color: rgb(255, 10,  
206) }
```

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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