

Converting Colors

CIELCh(58, 105.428, 333.028)

Have a look what the booklet for
CIELCh(58, 105.428, 333.028)
contains.

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Color

CIELCh(58, 105.136, 333.119)

Conversions

Conversions Part 1

Format	Color
Hex	FB00E1
RGB	251, 0, 225
RGB Percent	98%, 0%, 88%
CMY	0.0137, 1.0000, 0.1195
CMYK	0.00, 1.00, 0.11, 0.01
HSL	306°, 100%, 49%
HSV	306°, 100%, 99%
XYZ	53.4641, 25.9610, 73.0961
YIQ	100.6990, 77.3710, 123.1870

Conversions

Conversions Part 2

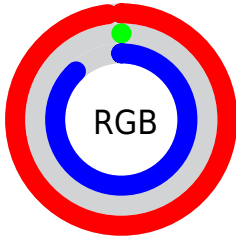
Format	Color
R_{YB}	251, 0, 225
Decimal	16449761
CIE _{Lab}	58.00, 93.78, -47.54
CIE _{LCh}	58, 105.136, 333.119
Yxy	25.9610, 0.3505, 0.1702
Android (android.graphics.Color)	4294639841 (0xFFFB00E1)
YUV	100.6990, 61.2804, 131.8140
Hunter-Lab	50.9519, 98.1350, -49.3917

Details

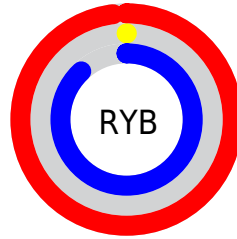
The CIELCh color **58, 105.136, 333.119** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **87, 116.305, 136.796**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **44, 84.906, 332.958** is the 20% darker color. If you saturate the color by 10%, you get **58, 104.973, 333.121**, and if you desaturate by 10%, it is **59, 103.674, 332.596**.

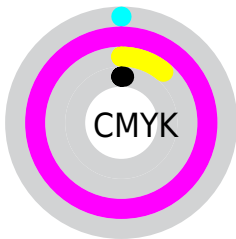
Distribution



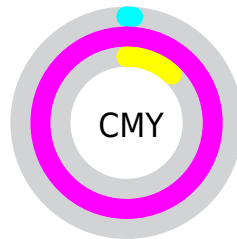
- Red (98%)
- Green (0%)
- Blue (88%)



- Red (98%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (11%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 105.136, 333.119 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, 105.136, 333.119 by changing the saturation by 10% instead.


 58, 105.136,
333.119


 58, 105.136,
333.119


 100, 105.136,
333.119


 48, 105.136,
333.119


 78, 105.136,
333.119


 38, 105.136,
333.119


 88, 105.136,
333.119

 28, 105.136,
333.119

 98, 105.136,
333.119

 18, 105.136,
333.119

 8, 105.136,
333.119

 0, 105.136,
333.119

■ 58, 105.136,
333.119

■ 58, 105.136,
333.119

■ 58, 104.973,
333.121

■ 59, 103.674,
332.596

■ 60, 99.753,
332.080

■ 63, 92.850,
331.557

■ 66, 83.250,
331.014

■ 71, 71.502,
330.448

■ 75, 58.241,
329.862

■ 81, 44.048,
329.264

■ 87, 29.399,

328.660

93, 14.640,
328.053

Harmonies

Complementary

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



58, 105.136, 333.119



87, 116.305, 136.796

Rectangle

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



58, 105.136, 333.119



58, 105.136, 23.119



58, 105.136, 153.119



58, 105.136, 203.119

Sweetspot

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



58, 104.973, 333.121



82, 44.545, 329.265



32, 131.866, 306.545



41, 30.314, 329.519



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, 104.973, 333.121



59, 106.073, 333.125



54, 84.111, 12.779



49, 8.276, 328.022



44, 84.716, 333.026



11, 38.737, 332.359

Inverse Universe

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



58, 104.973, 333.121



59, 106.073, 333.125



88, 79.643, 154.300



49, 8.276, 328.022



44, 84.716, 333.026



11, 38.737, 332.359

Previews

White Background



This preview shows how the CIELCh color 58, 105.136, 333.119 looks on a white background.

Color Contrast Check

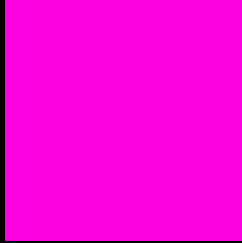
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.136, 333.119 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, 105.136, 333.119

Background



This preview shows how black text looks on a background with the CIELCh color 58, 105.136, 333.119.



This preview shows how white text looks on a background with the CIELCh color 58, 105.136, 333.119.

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, 105.118, 332.936

Protanopia

59, 67.019, 286.727

Deuteranopia

59, 40.824, 281.625



Tritanopia
58, 64.889, 25.784

Trichromacy



Original Color
58, 105.118, 332.936



Protanomaly
51, 90.205, 308.396



Deuteranomaly
51, 74.941, 313.787



Tritanomaly
56, 74.784, 358.305

Monochromacy



Original Color
58, 105.118, 332.936



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 55.995, 330.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 105.136, 333.119 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(251, 0, 225)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 225)  
}
```

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(251, 0, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 105.136, 333.119 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(251, 0, 225) }
```

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

```
.border{ border-color:rgb(251, 0, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 225);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 105.136, 333.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 225) }
```

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

```
.background{ background-color: rgb(251, 0,  
225) }
```

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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