

Converting Colors

CIELCh(58, 103.015, 335.100)

Have a look what the booklet for
CIELCh(58, 103.015, 335.100)
contains.

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Color

CIELCh(58, 102.589, 335.183)

Conversions

Conversions Part 1

Format	Color
Hex	FE00D9
RGB	254, 0, 217
RGB Percent	100%, 0%, 85%
CMY	0.0053, 1.0000, 0.1503
CMYK	0.00, 1.00, 0.15, 0.01
HSL	309°, 100%, 50%
HSV	309°, 100%, 99%
XYZ	53.2078, 25.9610, 67.6318
YIQ	100.6840, 81.7270, 121.3350

Conversions

Conversions Part 2

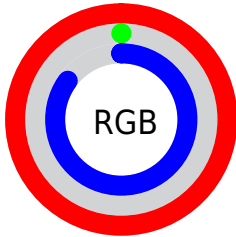
Format	Color
R_{YB}	254, 0, 217
Decimal	16646361
CIE _{Lab}	58.00, 93.12, -43.06
CIE _{LCh}	58, 102.589, 335.183
Yxy	25.9610, 0.3624, 0.1768
Android (android.graphics.Color)	4294836441 (0xFFFE00D9)
YUV	100.6840, 57.3438, 134.4581
Hunter-Lab	50.9519, 97.2372, -43.0331

Details

The CIELCh color **58, 102.589, 335.183** 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 **87, 115.655, 137.295**, 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, 82.271, 335.924** is the 20% darker color. If you saturate the color by 10%, you get **58, 102.475, 335.187**, and if you desaturate by 10%, it is **59, 101.437, 334.443**.

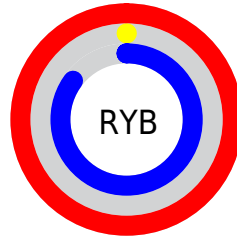
Distribution



Red (100%)

Green (0%)

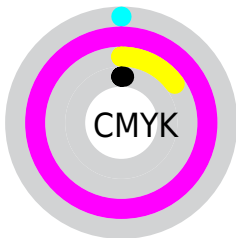
Blue (85%)



Red (100%)

Yellow (0%)

Blue (85%)

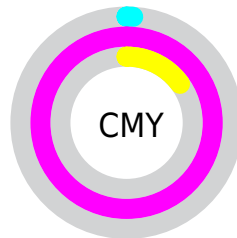


Cyan (0%)

Magenta (100%)

Yellow (15%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 102.589, 335.183 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, 102.589, 335.183 by changing the saturation by 10% instead.


 58, 102.589,
335.183


 58, 102.589,
335.183


 100, 102.589,
335.183


 48, 102.589,
335.183


 78, 102.589,
335.183


 38, 102.589,
335.183


 88, 102.589,
335.183

 28, 102.589,
335.183

 98, 102.589,
335.183

 18, 102.589,
335.183

 8, 102.589,
335.183

 0, 102.589,
335.183

■ 58, 102.589,
335.183

■ 58, 102.589,
335.183

■ 58, 102.475,
335.187

■ 59, 101.437,
334.443

■ 61, 97.752,
333.754

■ 63, 91.064,
333.099

■ 67, 81.675,
332.458

■ 71, 70.150,
331.820

■ 76, 57.129,
331.181

■ 81, 43.196,
330.544

■ 87, 28.822,

329.911

93, 14.349,
329.282

Harmonies

Complementary

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



58, 102.589, 335.183



87, 115.655, 137.295

Rectangle

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



58, 102.589, 335.183



58, 102.589, 25.183



58, 102.589, 155.183



58, 102.589, 205.183

Sweetspot

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



58, 102.475, 335.187



82, 43.382, 330.544



33, 132.402, 306.695



41, 29.526, 330.813



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, 102.475, 335.187



58, 102.886, 335.189



54, 85.440, 16.067



50, 8.191, 329.250



44, 83.031, 335.050



12, 38.721, 334.112

Inverse Universe

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



58, 102.475, 335.187



58, 102.886, 335.189



89, 77.038, 156.473



50, 8.191, 329.250



44, 83.031, 335.050



12, 38.721, 334.112

Previews

White Background



This preview shows how the CIELCh color 58, 102.589, 335.183 looks on a white background.

Color Contrast Check

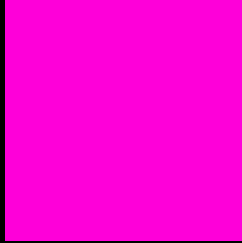
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.589, 335.183 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, 102.589, 335.183

Background



This preview shows how black text looks on a background with the CIELCh color 58, 102.589, 335.183.



This preview shows how white text looks on a background with the CIELCh color 58, 102.589, 335.183.

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, 102.589, 335.183

Protanopia

59, 67.019, 286.727

Deuteranopia

58, 36.711, 282.868



Tritanopia
58, 67.689, 26.870

Trichromacy



Original Color
58, 102.589, 335.183



Protanomaly
51, 88.666, 308.712



Deuteranomaly
51, 71.710, 316.251



Tritanomaly
56, 75.356, 0.633

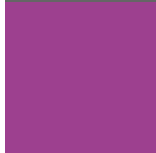
Monochromacy



Original Color
58, 102.589, 335.183



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 54.919, 332.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 102.589, 335.183 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(254, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 217)  
}
```

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(254, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 102.589, 335.183 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(254, 0, 217) }
```

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

```
.border{ border-color:rgb(254, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(254, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(254, 0,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 102.589, 335.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 217) }
```

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

```
.background{ background-color: rgb(254, 0,  
217) }
```

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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