

Converting Colors

CIELCh(57, 103.223, 333.908)

Have a look what the booklet for
CIELCh(57, 103.223, 333.908)
contains.

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Color

CIELCh(57, 102.743, 333.833)

Conversions

Conversions Part 1

Format	Color
Hex	F800DA
RGB	248, 0, 218
RGB Percent	97%, 0%, 85%
CMY	0.0286, 1.0000, 0.1461
CMYK	0.00, 1.00, 0.12, 0.03
HSL	307°, 100%, 49%
HSV	307°, 100%, 97%
XYZ	51.2141, 24.9227, 68.2586
YIQ	99.0040, 77.8300, 120.3740

Conversions

Conversions Part 2

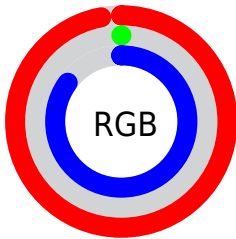
Format	Color
RYB	248, 0, 218
Decimal	16253146
CIELab	57.00, 92.21, -45.31
CIELCh	57, 102.743, 333.833
Yxy	24.9227, 0.3547, 0.1726
Android (android.graphics.Color)	4294443226 (0xFFFF800DA)
YUV	99.0040, 58.6650, 130.6695
Hunter-Lab	49.9226, 95.7534, -46.1207

Details

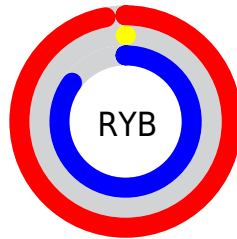
The CIELCh color **57, 102.743, 333.833** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **86, 114.494, 136.970**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 90.426, 327.467**, and **43, 82.433, 334.390** is the 20% darker color. If you saturate the color by 10%, you get **57, 102.649, 333.835**, and if you desaturate by 10%, it is **58, 101.433, 333.236**.

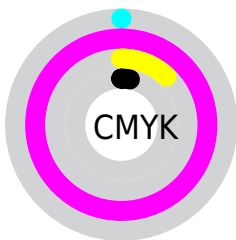
Distribution



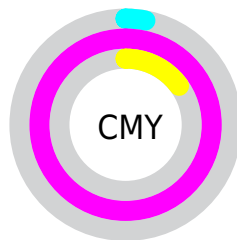
- Red (97%)
- Green (0%)
- Blue (85%)



- Red (97%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 102.743, 333.833 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 57, 102.743, 333.833 by changing the saturation by 10% instead.


 57, 102.743,
333.833


 57, 102.743,
333.833


 100, 102.743,
333.833


 47, 102.743,
333.833


 77, 102.743,
333.833


 37, 102.743,
333.833


 87, 102.743,
333.833

 27, 102.743,
333.833

 97, 102.743,
333.833

 17, 102.743,
333.833

 7, 102.743,
333.833

 0, 102.743,
333.833

■ 57, 102.743,
333.833

■ 57, 102.743,
333.833

■ 57, 102.649,
333.835

■ 58, 101.433,
333.236

■ 59, 97.631,
332.662

■ 62, 90.886,
332.094

■ 65, 81.487,
331.517

■ 70, 69.982,
330.927

■ 74, 56.995,
330.323

■ 80, 43.101,
329.712

■ 85, 28.763,

329.099

91, 14.322,
328.485

Harmonies

Complementary

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



57, 102.743, 333.833



86, 114.494, 136.970

Rectangle

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



57, 102.743, 333.833



57, 102.743, 23.833



57, 102.743, 153.833



57, 102.743, 203.833

Sweetspot

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



57, 102.649, 333.835



82, 44.125, 329.715



32, 130.205, 306.619



41, 30.030, 329.974



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 102.649, 333.835



59, 104.915, 333.845



53, 83.481, 14.367



49, 8.197, 328.454



44, 83.807, 333.730



11, 38.372, 332.955

Inverse Universe

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



57, 102.649, 333.835



59, 104.915, 333.845



87, 77.162, 155.391



49, 8.197, 328.454



44, 83.807, 333.730



11, 38.372, 332.955

Previews

White Background



This preview shows how the CIELCh color 57, 102.743, 333.833 looks on a white background.

Color Contrast Check

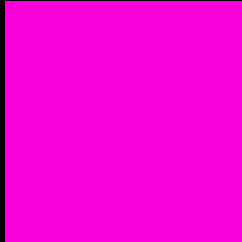
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 102.743, 333.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

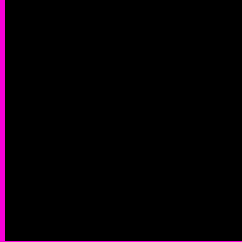
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 102.743, 333.833

Background



This preview shows how black text looks on a background with the CIELCh color 57, 102.743, 333.833.

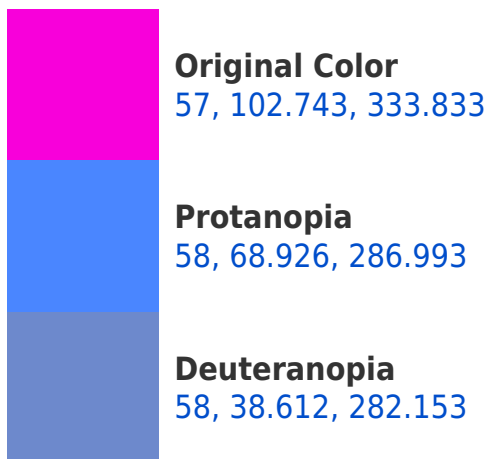


This preview shows how white text looks on a background with the CIELCh color 57, 102.743,

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





Tritanopia
57, 64.820, 26.333

Trichromacy



Original Color
57, 102.743, 333.833



Protanomaly
50, 89.899, 307.826



Deuteranomaly
50, 72.572, 314.705



Tritanomaly
55, 73.665, 358.995

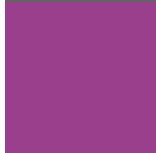
Monochromacy



Original Color
57, 102.743, 333.833



Achromatopsia
42, 0.006, 296.813



Achromatomaly
42, 54.519, 331.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 102.743, 333.833 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(248, 0, 218)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 218)  
}
```

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(248, 0, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 102.743, 333.833 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(248, 0, 218) }
```

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

```
.border{ border-color:rgb(248, 0, 218) }
```

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

Here you see how a box with a 4 pixel rgb(248, 0, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(248, 0,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 102.743, 333.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 218) }
```

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

```
.background{ background-color: rgb(248, 0,  
218) }
```

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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