

Converting Colors

CIELCh(77, 111.926, 2.566)

Have a look what the booklet for
CIELCh(77, 111.926, 2.566) contains.

CIELCh(57, 93.771, 343.148)	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(57, 93.771, 343.148)

Conversions

Conversions Part 1

Format	Color
Hex	FF02BA
RGB	255, 2, 186
RGB Percent	100%, 1%, 73%
CMY	0.0000, 0.9934, 0.2693
CMYK	0.00, 0.99, 0.27, 0.00
HSL	316°, 100%, 50%
HSV	316°, 99%, 100%
XYZ	50.2875, 24.9227, 48.7909
YIQ	98.6230, 91.7240, 110.8600

Conversions

Conversions Part 2

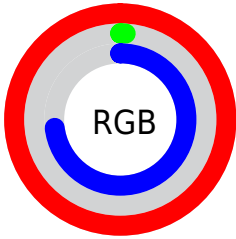
Format	Color
R_{YB}	255, 2, 186
Decimal	16712378
CIE _{Lab}	57.00, 89.74, -27.18
CIE _{LCh}	57, 93.771, 343.148
Yxy	24.9227, 0.4055, 0.2010
Android (android.graphics.Color)	4294902458 (0xFFFF02BA)
YUV	98.6230, 43.0769, 137.1426
Hunter-Lab	49.9226, 92.4400, -23.0001

Details

The CIELCh color **57, 93.771, 343.148** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **88, 108.759, 140.026**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 85.441, 330.226**, and **43, 74.303, 345.766** is the 20% darker color. If you saturate the color by 10%, you get **57, 93.736, 343.188**, and if you desaturate by 10%, it is **58, 93.157, 341.405**.

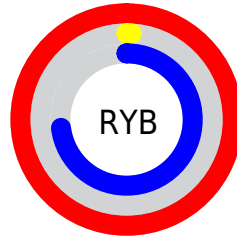
Distribution



Red (100%)

Green (1%)

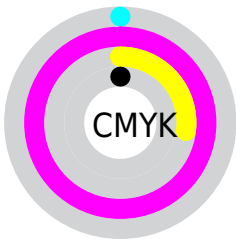
Blue (73%)



Red (100%)

Yellow (1%)

Blue (73%)

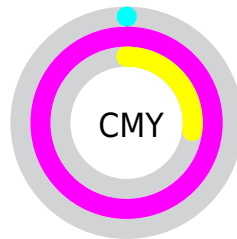


Cyan (0%)

Magenta (99%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (99%)


Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 93.771, 343.148 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, 93.771, 343.148 by changing the saturation by 10% instead.


 57, 93.771,
343.148


 57, 93.771,
343.148


 100, 93.771,
343.148


 47, 93.771,
343.148


 77, 93.771,
343.148

 37, 93.771,
343.148

 87, 93.771,
343.148

 27, 93.771,
343.148

 97, 93.771,
343.148

 17, 93.771,
343.148

 7, 93.771, 343.148

 0, 93.771, 343.148

■ 57, 93.771,
343.148

■ 57, 93.771,
343.148

■ 57, 93.736,
343.188

■ 58, 93.157,
341.405

■ 60, 89.879,
340.004

■ 63, 83.654,
338.818

■ 66, 74.837,
337.785

■ 71, 64.026,
336.858

■ 76, 51.866,
336.006

■ 82, 38.921,
335.211

■ 88, 25.631,

334.460

94, 12.305,
333.739

Harmonies

Complementary

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



57, 93.771, 343.148



88, 108.759, 140.026

Rectangle

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



57, 93.771, 343.148



57, 93.771, 33.148



57, 93.771, 163.148



57, 93.771, 213.148

Sweetspot

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



57, 93.734, 343.072



81, 39.793, 335.262



35, 130.527, 307.766



41, 27.100, 335.593



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, 93.734, 343.072



57, 93.736, 343.188



54, 91.469, 27.708



50, 7.493, 333.751



43, 75.738, 342.856



11, 35.641, 340.635

Inverse Universe

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



57, 93.734, 343.072



57, 93.736, 343.188



90, 65.100, 167.305



50, 7.493, 333.751



43, 75.738, 342.856



11, 35.641, 340.635

Previews

White Background



This preview shows how the CIELCh color 57, 93.771, 343.148 looks on a white background.

Color Contrast Check

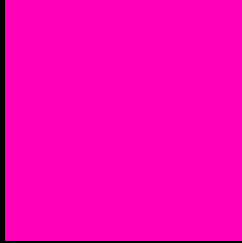
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 93.771, 343.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

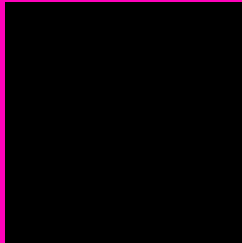
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 93.771, 343.148

Background



This preview shows how black text looks on a background with the CIELCh color 57, 93.771, 343.148.



This preview shows how white text looks on a background with the CIELCh color 57, 93.771, 343.148.

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

57, 93.632, 343.164

Protanopia

58, 68.904, 287.114

Deuteranopia

57, 22.248, 290.061



Tritanopia
57, 75.460, 29.335

Trichromacy



Original Color
57, 93.632, 343.164



Protanomaly
49, 83.653, 308.743



Deuteranomaly
51, 59.181, 326.731



Tritanomaly
56, 77.491, 8.702

Monochromacy



Original Color
57, 93.632, 343.164



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 50.245, 337.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 93.771, 343.148 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, 2, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 186)  
}
```

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, 2, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 2, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 93.771, 343.148 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, 2, 186) }
```

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

```
.border{ border-color:rgb(255, 2, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 2, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 2,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 93.771, 343.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 186) }
```

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

```
.background{ background-color: rgb(255, 2,  
186) }
```

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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