

Converting Colors

CIELCh(58, 89.256, 336.431)

Have a look what the booklet for
CIELCh(58, 89.256, 336.431)
contains.

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Color

CIELCh(58, 89.147, 336.457)

Conversions

Conversions Part 1

Format	Color
Hex	F237CB
RGB	242, 55, 203
RGB Percent	95%, 22%, 80%
CMY	0.0494, 0.7862, 0.2025
CMYK	0.00, 0.78, 0.16, 0.05
HSL	312°, 88%, 58%
HSV	312°, 78%, 95%
XYZ	48.9171, 25.9610, 59.1547
YIQ	127.7850, 63.9440, 85.6720

Conversions

Conversions Part 2

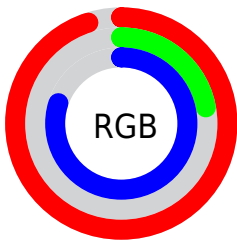
Format	Color
R _Y B	242, 55, 203
Decimal	15873995
CIE Lab	58.00, 81.73, -35.61
CIE LCh	58, 89.147, 336.457
Yxy	25.9610, 0.3650, 0.1937
Android (android.graphics.Color)	4294064075 (0xFFFF237CB)
YUV	127.7850, 37.0810, 100.1666
Hunter-Lab	50.9519, 82.2054, -33.1688

Details

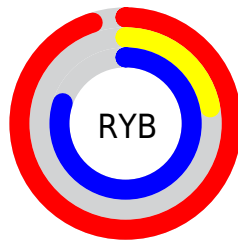
The CIELCh color **58, 89.147, 336.457** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **85, 93.806, 142.139**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 81.096, 327.172**, and **41, 77.542, 337.083** is the 20% darker color. If you saturate the color by 10%, you get **56, 93.144, 337.435**, and if you desaturate by 10%, it is **61, 82.320, 335.583**.

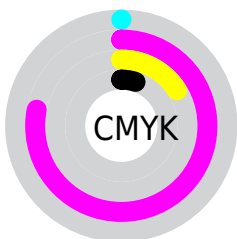
Distribution



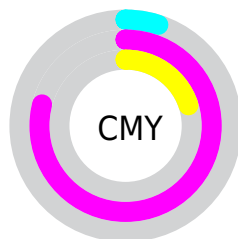
- Red (95%)
- Green (22%)
- Blue (80%)



- Red (95%)
- Yellow (22%)
- Blue (80%)



- Cyan (0%)
- Magenta (78%)
- Yellow (16%)
- Black (5%)



- Cyan (5%)
- Magenta (79%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 89.147, 336.457 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, 89.147, 336.457 by changing the saturation by 10% instead.

 58, 89.147,
336.457

 58, 89.147,
336.457

 100, 89.147,
336.457


 48, 89.147,
336.457

 78, 89.147,
336.457

 38, 89.147,
336.457

 88, 89.147,
336.457

 28, 89.147,
336.457

 98, 89.147,
336.457

 18, 89.147,
336.457

 8, 89.147, 336.457

 0, 89.147, 336.457

■ 58, 89.147,
336.457

■ 58, 89.147,
336.457

■ 56, 93.144,
337.435

■ 61, 82.320,
335.583

■ 55, 94.359,
338.559

■ 65, 73.067,
334.778

■ 55, 94.441,
338.854

■ 69, 61.971,
334.018

■ 74, 49.641,
333.290

■ 79, 36.605,
332.587

■ 85, 23.269,
331.907

■ 91, 9.922, 331.237

■ 97, 3.249, 150.762

Harmonies

Complementary

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



58, 89.147, 336.457



85, 93.806, 142.139

Rectangle

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



58, 89.147, 336.457



58, 89.147, 26.457



58, 89.147, 156.457



58, 89.147, 206.457

Sweetspot

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



58, 89.144, 336.457



86, 31.895, 332.282



40, 108.272, 306.142



44, 22.075, 332.531



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, 89.144, 336.457



58, 97.830, 338.061



55, 73.636, 10.913



48, 7.581, 331.371



42, 77.665, 338.641



10, 35.246, 336.987

Inverse Universe

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



58, 89.144, 336.457



58, 97.830, 338.061



86, 59.921, 166.100



48, 7.581, 331.371



42, 77.665, 338.641



10, 35.246, 336.987

Previews

White Background



This preview shows how the CIELCh color 58, 89.147, 336.457 looks on a white background.

Color Contrast Check

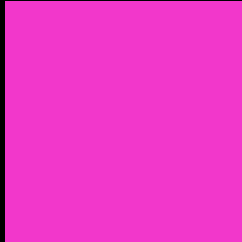
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.147, 336.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

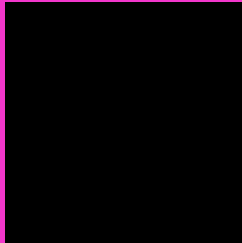
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 89.147, 336.457

Background



This preview shows how black text looks on a background with the CIELCh color 58, 89.147, 336.457.

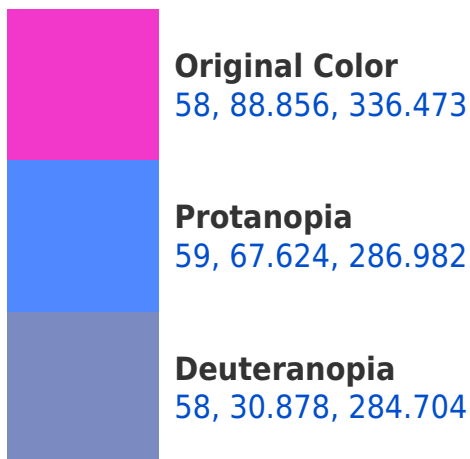


This preview shows how white text looks on a background with the CIELCh color 58, 89.147, 336.457.

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
58, 60.580, 24.775

Trichromacy



Original Color
58, 88.856, 336.473



Protanomaly
54, 74.884, 304.850



Deuteranomaly
55, 53.679, 316.338



Tritanomaly
57, 64.918, 1.876

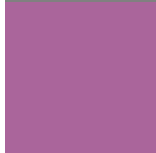
Monochromacy



Original Color
58, 88.856, 336.473



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 39.906, 333.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 89.147, 336.457 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(242, 55, 203)` looks like.

```
.text, #text, p{  
    color:rgb(242, 55, 203)  
}
```

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(242, 55, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 55, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 89.147, 336.457 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(242, 55, 203) }
```

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

```
.border{ border-color:rgb(242, 55, 203) }
```

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

Here you see how a box with a 4 pixel rgb(242, 55, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 55, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 55, 203);  
box-shadow:4px 4px 4px 4px rgb(242, 55,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 89.147, 336.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 55, 203) }
```

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

```
.background{ background-color: rgb(242, 55,  
203) }
```

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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