

Converting Colors

CIELCh(58, 82.833, 337.977)

Have a look what the booklet for
CIELCh(58, 82.833, 337.977)
contains.

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Color

CIELCh(58, 82.702, 338.004)

Conversions

Conversions Part 1

Format	Color
Hex	EE41C3
RGB	238, 65, 195
RGB Percent	93%, 25%, 76%
CMY	0.0659, 0.7442, 0.2346
CMYK	0.00, 0.73, 0.18, 0.07
HSL	315°, 84%, 59%
HSV	315°, 73%, 93%
XYZ	47.0928, 25.9610, 54.2580
YIQ	131.5470, 61.3780, 77.1060

Conversions

Conversions Part 2

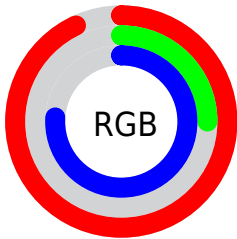
Format	Color
R _Y B	238, 65, 195
Decimal	15614403
CIE Lab	58.00, 76.68, -30.98
CIE LCh	58, 82.702, 338.004
Yxy	25.9610, 0.3699, 0.2039
Android (android.graphics.Color)	4293804483 (0xFFEE41C3)
YUV	131.5470, 31.2823, 93.3593
Hunter-Lab	50.9519, 75.8143, -27.4708

Details

The CIELCh color **58, 82.702, 338.004** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **84, 85.615, 144.251**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 76.732, 327.762**, and **40, 75.157, 338.605** is the 20% darker color. If you saturate the color by 10%, you get **56, 87.863, 339.124**, and if you desaturate by 10%, it is **61, 74.938, 337.022**.

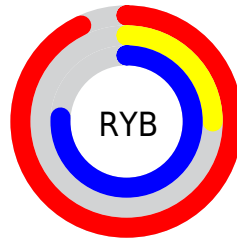
Distribution



Red (93%)

Green (25%)

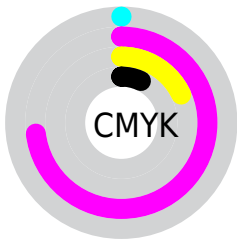
Blue (76%)



Red (93%)

Yellow (25%)

Blue (76%)

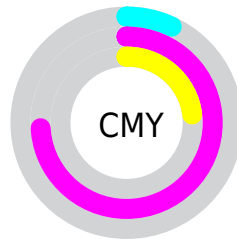


Cyan (0%)

Magenta (73%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (74%)


Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 82.702, 338.004 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, 82.702, 338.004 by changing the saturation by 10% instead.


 58, 82.702,
338.004

 58, 82.702,
338.004

 100, 82.702,
338.004

 48, 82.702,
338.004


 78, 82.702,
338.004

 38, 82.702,
338.004

 88, 82.702,
338.004

 28, 82.702,
338.004

 98, 82.702,
338.004

 18, 82.702,
338.004

 8, 82.702, 338.004

 0, 82.702, 338.004

■ 58, 82.702,
338.004

■ 58, 82.702,
338.004

■ 56, 87.863,
339.124

■ 61, 74.938,
337.022

■ 54, 90.208,
340.437

■ 65, 65.092,
336.134

■ 53, 90.478,
341.541

■ 70, 53.769,
335.311

■ 75, 41.534,
334.538

■ 81, 28.841,
333.803

■ 87, 16.023,
333.098

■ 93, 3.304, 332.348

■ 99, 8.707, 152.318

Harmonies

Complementary

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



58, 82.702, 338.004



84, 85.615, 144.251

Rectangle

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



58, 82.702, 338.004



58, 82.702, 28.004



58, 82.702, 158.004



58, 82.702, 208.004

Sweetspot

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



58, 82.699, 338.004



86, 29.645, 333.765



43, 100.209, 306.253



44, 19.925, 333.961



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, 82.699, 338.004



59, 94.047, 339.714



55, 69.396, 11.730



47, 7.237, 332.879



41, 74.654, 341.264



9, 33.407, 339.025

Inverse Universe

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



58, 82.699, 338.004



59, 94.047, 339.714



85, 54.793, 169.562



47, 7.237, 332.879



41, 74.654, 341.264



9, 33.407, 339.025

Previews

White Background



This preview shows how the CIELCh color 58, 82.702, 338.004 looks on a white background.

Color Contrast Check

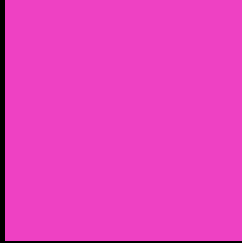
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.702, 338.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

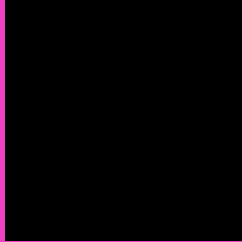
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 82.702, 338.004

Background



This preview shows how black text looks on a background with the CIELCh color 58, 82.702, 338.004.

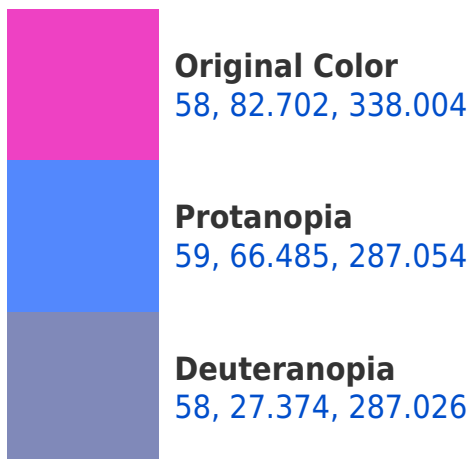


This preview shows how white text looks on a background with the CIELCh color 58, 82.702, 338.004.

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, 57.931, 24.121

Trichromacy



Original Color
58, 82.702, 338.004



Protanomaly
55, 70.278, 304.128



Deuteranomaly
55, 48.471, 318.443



Tritanomaly
57, 61.617, 2.930

Monochromacy



Original Color
58, 82.702, 338.004



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 35.627, 335.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 82.702, 338.004 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(238, 65, 195)` looks like.

```
.text, #text, p{  
    color:rgb(238, 65, 195)  
}
```

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(238, 65, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 65, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 82.702, 338.004 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(238, 65, 195) }
```

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

```
.border{ border-color:rgb(238, 65, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 65, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 65, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 65, 195);  
box-shadow:4px 4px 4px 4px rgb(238, 65,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 82.702, 338.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 65, 195) }
```

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

```
.background{ background-color: rgb(238, 65,  
195) }
```

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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