

Converting Colors

CIELCh(58, 102.402, 327.727)

Have a look what the booklet for
CIELCh(58, 102.402, 327.727)
contains.

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Color

CIELCh(58, 102.469, 327.654)

Conversions

Conversions Part 1

Format	Color
Hex	EB30ED
RGB	235, 48, 237
RGB Percent	92%, 19%, 93%
CMY	0.0776, 0.8106, 0.0698
CMYK	0.01, 0.80, 0.00, 0.07
HSL	299°, 84%, 56%
HSV	299°, 80%, 93%
XYZ	50.7122, 25.9610, 82.6072
YIQ	125.4590, 50.7830, 98.4230

Conversions

Conversions Part 2

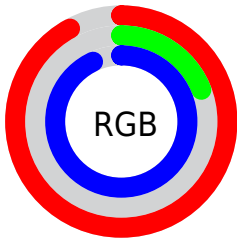
Format	Color
R _Y B	235, 48, 237
Decimal	15413485
CIE _{Lab}	58.00, 86.57, -54.82
CIE _{LCh}	58, 102.469, 327.654
Yxy	25.9610, 0.3184, 0.1630
Android (android.graphics.Color)	4293603565 (0xFFEB30ED)
YUV	125.4590, 54.9897, 96.0675
Hunter-Lab	50.9519, 88.4943, -60.4592

Details

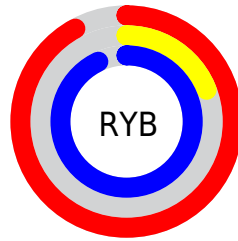
The CIELCh color **58, 102.469, 327.654** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **83, 105.015, 136.994**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 83.151, 327.238**, and **42, 89.092, 327.140** is the 20% darker color. If you saturate the color by 10%, you get **57, 107.179, 327.775**, and if you desaturate by 10%, it is **60, 94.927, 327.433**.

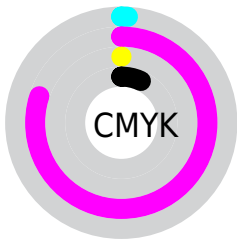
Distribution



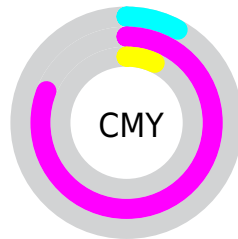
- Red (92%)
- Green (19%)
- Blue (93%)



- Red (92%)
- Yellow (19%)
- Blue (93%)



- Cyan (1%)
- Magenta (80%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (81%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 102.469, 327.654 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, 102.469, 327.654 by changing the saturation by 10% instead.


 58, 102.469,
327.654


 58, 102.469,
327.654


 100, 102.469,
327.654


 48, 102.469,
327.654


 78, 102.469,
327.654


 38, 102.469,
327.654


 88, 102.469,
327.654

 28, 102.469,
327.654

 98, 102.469,
327.654

 18, 102.469,
327.654

 8, 102.469,
327.654

 0, 102.469,
327.654

■ 58, 102.469,
327.654

■ 58, 102.469,
327.654

■ 57, 107.179,
327.775

■ 60, 94.927,
327.433

■ 56, 109.390,
327.809

■ 64, 84.820,
327.118

■ 56, 109.454,
327.810

■ 67, 72.657,
326.721

■ 72, 59.031,
326.261

■ 77, 44.498,
325.755

■ 82, 29.516,
325.220

■ 88, 14.426,
324.666

■ 94, 0.533, 144.690

■ 98, 11.033,
143.685

Harmonies

Complementary

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



58, 102.469, 327.654



83, 105.015, 136.994

Rectangle

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



58, 102.469, 327.654



58, 102.469, 17.654



58, 102.469, 147.654



58, 102.469, 197.654

Sweetspot

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



58, 102.466, 327.654



85, 38.268, 325.461



36, 109.280, 303.515



43, 26.273, 325.651



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, 102.466, 327.654



60, 114.945, 327.803



54, 75.962, 354.036



47, 8.580, 324.658



43, 90.336, 327.817



10, 39.433, 327.875

Inverse Universe

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



52, 83.275, 33.410



54, 102.194, 38.928



84, 74.910, 152.403



47, 4.991, 19.087



38, 81.217, 39.562



8, 29.779, 23.386

Previews

White Background



This preview shows how the CIE LCh color 58, 102.469, 327.654 looks on a white background.

Color Contrast Check

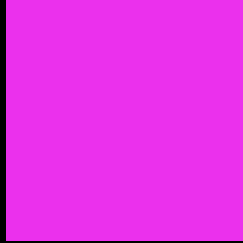
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.469, 327.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

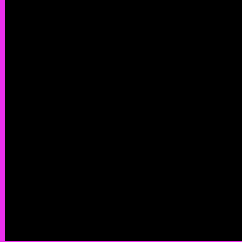
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 102.469, 327.654

Background



This preview shows how black text looks on a background with the CIELCh color 58, 102.469, 327.654.



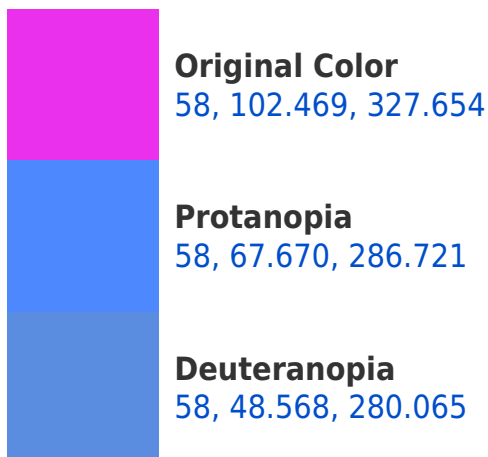
This preview shows how white text looks on a background with the CIELCh color 58, 102.469, 327.654.

327.654.

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, 51.233, 21.942

Trichromacy



Original Color
58, 102.469, 327.654



Protanomaly
54, 82.995, 304.193



Deuteranomaly
54, 70.566, 305.791



Tritanomaly
57, 63.242, 350.970

Monochromacy



Original Color
58, 102.469, 327.654



Achromatopsia
53, 0.007, 296.813



Achromatomaly
51, 45.730, 326.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 102.469, 327.654 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(235, 48, 237)` looks like.

```
.text, #text, p{  
    color:rgb(235, 48, 237)  
}
```

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(235, 48, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 48, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 102.469, 327.654 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(235, 48, 237) }
```

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

```
.border{ border-color:rgb(235, 48, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 48, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 48, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 48, 237);  
box-shadow:4px 4px 4px 4px rgb(235, 48,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 102.469, 327.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 48, 237) }
```

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

```
.background{ background-color: rgb(235, 48,  
237) }
```

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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