

Converting Colors

CIELCh(56, 106.842, 328.639)

Have a look what the booklet for
CIELCh(56, 106.842, 328.639)
contains.

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Color

CIELCh(56, 106.844, 328.548)

Conversions

Conversions Part 1

Format	Color
Hex	EB0FE9
RGB	235, 15, 233
RGB Percent	92%, 6%, 91%
CMY	0.0778, 0.9427, 0.0857
CMYK	0.00, 0.94, 0.01, 0.08
HSL	301°, 88%, 49%
HSV	301°, 94%, 92%
XYZ	49.2103, 23.9124, 79.2269
YIQ	105.6320, 61.1420, 114.4380

Conversions

Conversions Part 2

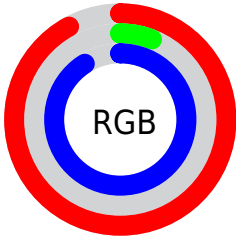
Format	Color
R _Y B	235, 15, 233
Decimal	15405033
CIE Lab	56.00, 91.15, -55.75
CIE LCh	56, 106.844, 328.548
Yxy	23.9124, 0.3230, 0.1570
Android (android.graphics.Color)	4293595113 (0xFFEB0FE9)
YUV	105.6320, 62.7924, 113.4557
Hunter-Lab	48.9003, 94.0559, -61.8297

Details

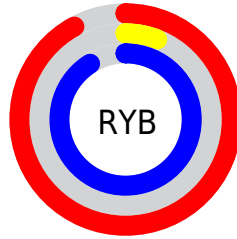
The CIELCh color **56, 106.844, 328.548** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **82, 111.108, 136.272**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 89.964, 327.453**, and **41, 87.549, 327.785** is the 20% darker color. If you saturate the color by 10%, you get **56, 107.914, 328.603**, and if you desaturate by 10%, it is **57, 103.404, 328.409**.

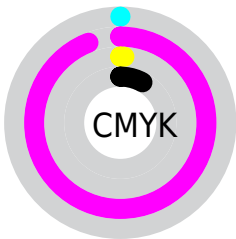
Distribution



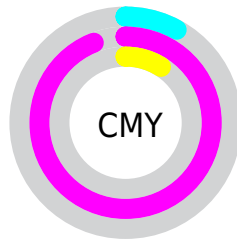
- Red (92%)
- Green (6%)
- Blue (91%)



- Red (92%)
- Yellow (6%)
- Blue (91%)



- Cyan (0%)
- Magenta (94%)
- Yellow (1%)
- Black (8%)





- Cyan (8%)
- Magenta (94%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 106.844, 328.548 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 56, 106.844, 328.548 by changing the saturation by 10% instead.


 56, 106.844,
328.548


 56, 106.844,
328.548


 100, 106.844,
328.548


 46, 106.844,
328.548


 76, 106.844,
328.548


 36, 106.844,
328.548


 86, 106.844,
328.548

 26, 106.844,
328.548

 96, 106.844,
328.548

 16, 106.844,
328.548

 6, 106.844,
328.548

 0, 106.844,
328.548

■ 56, 106.844,
328.548

■ 56, 106.844,
328.548

■ 56, 107.914,
328.603

■ 57, 103.404,
328.409

■ 59, 97.174,
328.184

■ 62, 88.248,
327.873

■ 65, 77.044,
327.484

■ 70, 64.129,
327.028

■ 74, 50.080,
326.525

■ 80, 35.399,
325.988

■ 85, 20.475,

325.432

 91, 5.588, 324.841

Harmonies

Complementary

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



56, 106.844, 328.548



82, 111.108, 136.272

Rectangle

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



56, 106.844, 328.548



56, 106.844, 18.548



56, 106.844, 148.548



56, 106.844, 198.548

Sweetspot

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



56, 106.841, 328.548



83, 44.466, 326.224



30, 122.993, 305.861



42, 30.631, 326.455



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 106.841, 328.548



60, 114.729, 328.605



51, 78.969, 0.150



46, 8.405, 325.186



43, 88.729, 328.597



9, 38.035, 328.543

Inverse Universe

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



56, 106.841, 328.548



60, 114.729, 328.605



82, 81.339, 150.175



46, 8.405, 325.186



43, 88.729, 328.597



9, 38.035, 328.543

Previews

White Background



This preview shows how the CIE LCh color 56, 106.844, 328.548 looks on a white background.

Color Contrast Check

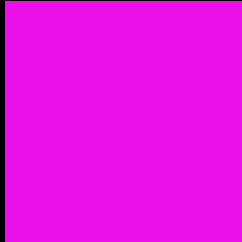
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 106.844, 328.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

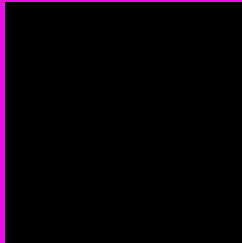
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 106.844, 328.548

Background



This preview shows how black text looks on a background with the CIELCh color 56, 106.844, 328.548.



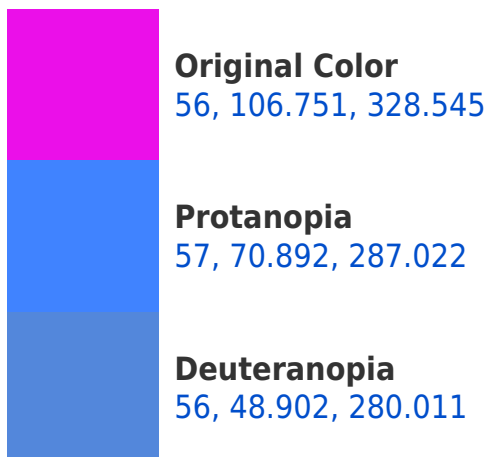
This preview shows how white text looks on a background with the CIELCh color 56, 106.844, 328.548.

328.548.

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
56, 55.690, 23.848

Trichromacy



Original Color
56, 106.751, 328.545



Protanomaly
50, 90.932, 305.360



Deuteranomaly
50, 77.625, 307.921



Tritanomaly
54, 68.882, 352.292

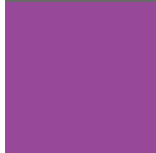
Monochromacy



Original Color
56, 106.751, 328.545



Achromatopsia
44, 0.006, 296.813



Achromatomaly
44, 53.560, 327.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 106.844, 328.548 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, 15, 233)` looks like.

```
.text, #text, p{  
    color:rgb(235, 15, 233)  
}
```

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, 15, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 15, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 106.844, 328.548 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, 15, 233) }
```

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

```
.border{ border-color:rgb(235, 15, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 15, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 15, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 15, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 15,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 106.844, 328.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 15, 233) }
```

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

```
.background{ background-color: rgb(235, 15,  
233) }
```

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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