

Converting Colors

CIELCh(55, 89.690, 333.833)

Have a look what the booklet for
CIELCh(55, 89.690, 333.833)
contains.

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Color

CIELCh(55, 89.840, 333.806)

Conversions

Conversions Part 1

Format	Color
Hex	E52FCA
RGB	229, 47, 202
RGB Percent	90%, 18%, 79%
CMY	0.1023, 0.8161, 0.2081
CMYK	0.00, 0.80, 0.12, 0.10
HSL	309°, 78%, 54%
HSV	309°, 80%, 90%
XYZ	43.9518, 22.9298, 57.9402
YIQ	119.0880, 58.7170, 86.7890

Conversions

Conversions Part 2

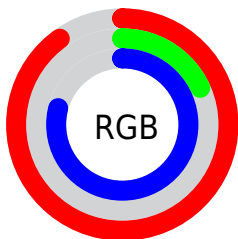
Format	Color
R _Y B	229, 47, 202
Decimal	15019978
CIE Lab	55.00, 80.61, -39.66
CIE LCh	55, 89.840, 333.806
Yxy	22.9298, 0.3521, 0.1837
Android (android.graphics.Color)	4293210058 (0xFFE52FCA)
YUV	119.0880, 40.8756, 96.3928
Hunter-Lab	47.8851, 80.0390, -38.2203

Details

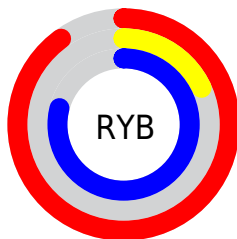
The CIELCh color **55, 89.840, 333.806** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **80, 94.793, 140.226**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 84.662, 327.285**, and **39, 76.739, 334.153** is the 20% darker color. If you saturate the color by 10%, you get **53, 93.482, 334.499**, and if you desaturate by 10%, it is **57, 83.456, 333.148**.

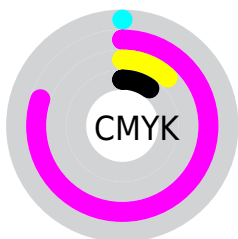
Distribution



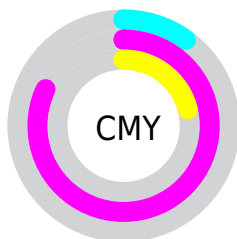
- Red (90%)
- Green (18%)
- Blue (79%)



- Red (90%)
- Yellow (18%)
- Blue (79%)



- Cyan (0%)
- Magenta (80%)
- Yellow (12%)
- Black (10%)





- Cyan (10%)
- Magenta (82%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 89.840, 333.806 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 55, 89.840, 333.806 by changing the saturation by 10% instead.


 55, 89.840,
333.806


 55, 89.840,
333.806


 100, 89.840,
333.806


 45, 89.840,
333.806


 75, 89.840,
333.806

 35, 89.840,
333.806

 85, 89.840,
333.806

 25, 89.840,
333.806

 95, 89.840,
333.806

 15, 89.840,
333.806

 5, 89.840, 333.806

 0, 89.840, 333.806

55, 89.840,
333.806

55, 89.840,
333.806

53, 93.482,
334.499

57, 83.456,
333.148

53, 94.666,
335.246

61, 74.643,
332.505

52, 94.702,
335.283

65, 63.925,
331.865


69, 51.883,
331.226

74, 39.044,
330.589

80, 25.826,
329.958

85, 12.534,
329.331

91, 0.627, 149.281

 97, 13.526,
148.210

Harmonies

Complementary

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



55, 89.840, 333.806



80, 94.793, 140.226

Rectangle

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



55, 89.840, 333.806



55, 89.840, 23.806



55, 89.840, 153.806



55, 89.840, 203.806

Sweetspot

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



55, 89.837, 333.806



85, 34.688, 330.250



36, 106.434, 305.336



43, 23.819, 330.476



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 89.837, 333.806



59, 102.399, 334.946



52, 71.418, 6.024



45, 7.498, 329.328



41, 78.767, 335.151



8, 33.642, 333.935

Inverse Universe

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



55, 89.837, 333.806



59, 102.399, 334.946



81, 62.483, 161.051



45, 7.498, 329.328



41, 78.767, 335.151



8, 33.642, 333.935

Previews

White Background



This preview shows how the CIELCh color 55, 89.840, 333.806 looks on a white background.

Color Contrast Check

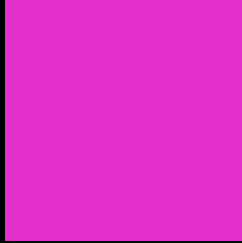
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 89.840, 333.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

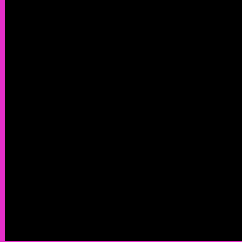
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 89.840, 333.806

Background



This preview shows how black text looks on a background with the CIELCh color 55, 89.840, 333.806.

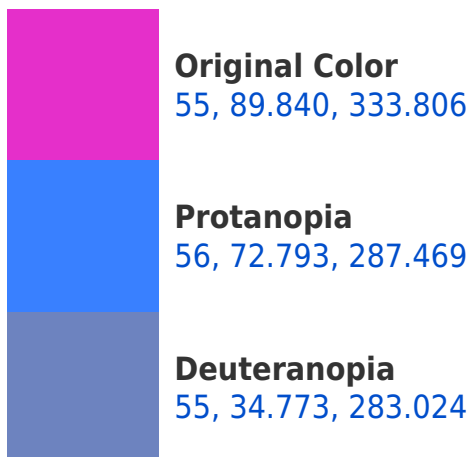


This preview shows how white text looks on a background with the CIELCh color 55, 89.840, 333.806.

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
55, 56.794, 24.286

Trichromacy



Original Color
55, 89.840, 333.806



Protanomaly
51, 79.263, 302.666



Deuteranomaly
52, 57.311, 313.325



Tritanomaly
54, 62.733, 359.394

Monochromacy



Original Color
55, 89.840, 333.806



Achromatopsia
50, 0.007, 296.813



Achromatomaly
49, 40.380, 331.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 89.840, 333.806 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(229, 47, 202)` looks like.

```
.text, #text, p{  
    color:rgb(229, 47, 202)  
}
```

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(229, 47, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 47, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 89.840, 333.806 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(229, 47, 202) }
```

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

```
.border{ border-color:rgb(229, 47, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 47, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 47, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 47, 202);  
box-shadow:4px 4px 4px 4px rgb(229, 47,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 89.840, 333.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 47, 202) }
```

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

```
.background{ background-color: rgb(229, 47,  
202) }
```

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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