

Converting Colors

CIELCh(55, 109.249, 320.094)

Have a look what the booklet for
CIELCh(55, 109.249, 320.094)
contains.

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Color

CIELCh(55, 108.930, 320.160)

Conversions

Conversions Part 1

Format	Color
Hex	CF34FF
RGB	207, 52, 255
RGB Percent	81%, 20%, 100%
CMY	0.1884, 0.7962, 0.0001
CMYK	0.19, 0.80, 0.00, 0.00
HSL	286°, 100%, 60%
HSV	286°, 80%, 100%
XYZ	44.9920, 22.9298, 96.6331
YIQ	121.4870, 27.2170, 95.9930

Conversions

Conversions Part 2

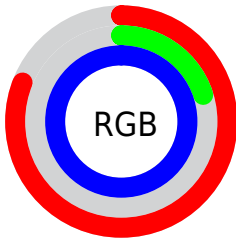
Format	Color
R _Y B	207, 52, 255
Decimal	13579519
CIE Lab	55.00, 83.64, -69.79
CIE LCh	55, 108.930, 320.160
Yxy	22.9298, 0.2734, 0.1393
Android (android.graphics.Color)	4291769599 (0xFFCF34FF)
YUV	121.4870, 65.8219, 74.9949
Hunter-Lab	47.8851, 83.9166, -86.1288

Details

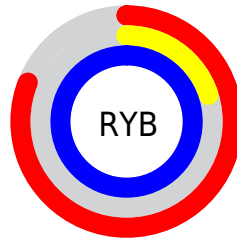
The CIELCh color **55, 108.930, 320.160** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 106.452, 133.657**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 83.151, 327.238**, and **38, 97.821, 318.826** is the 20% darker color. If you saturate the color by 10%, you get **52, 115.184, 319.861**, and if you desaturate by 10%, it is **59, 99.596, 320.215**.

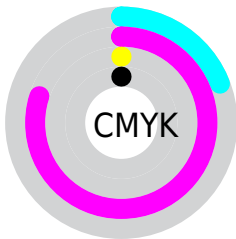
Distribution



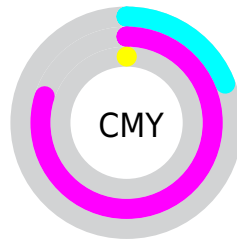
- Red (81%)
- Green (20%)
- Blue (100%)



- Red (81%)
- Yellow (20%)
- Blue (100%)



- Cyan (19%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 108.930, 320.160 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, 108.930, 320.160 by changing the saturation by 10% instead.


 55, 108.930,
320.160


 55, 108.930,
320.160


 100, 108.930,
320.160


 45, 108.930,
320.160


 75, 108.930,
320.160


 35, 108.930,
320.160


 85, 108.930,
320.160

 25, 108.930,
320.160

 95, 108.930,
320.160

 15, 108.930,
320.160

 5, 108.930,
320.160

 0, 108.930,
320.160

55, 108.930,
320.160

55, 108.930,
320.160

52, 115.184,
319.861

59, 99.596,
320.215

50, 118.410,
319.311

63, 87.795,
320.076

50, 118.511,
319.288

69, 74.269,
319.798

74, 59.700,
319.429

81, 44.619,
319.008

87, 29.401,
318.564

94, 14.295,
318.111

100, 0.006, 96.965

Harmonies

Complementary

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



55, 108.930, 320.160



89, 106.452, 133.657

Rectangle

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



55, 108.930, 320.160



55, 108.930, 10.160



55, 108.930, 140.160



55, 108.930, 190.160

Sweetspot

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



55, 108.928, 320.160



84, 36.069, 318.760



49, 88.347, 294.832



43, 24.821, 318.918



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, 108.928, 320.160



51, 117.481, 319.528



60, 91.251, 338.875



50, 8.448, 318.105



38, 95.399, 319.427



9, 43.694, 320.407

Inverse Universe

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



57, 79.110, 17.177



54, 89.439, 25.611



89, 96.614, 143.026



50, 5.505, 1.362



40, 73.222, 26.742



10, 31.774, 16.781

Previews

White Background



This preview shows how the CIELCh color 55, 108.930, 320.160 looks on a white background.

Color Contrast Check

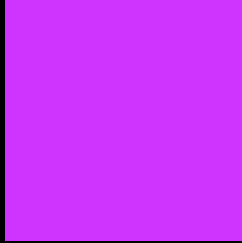
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 108.930, 320.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

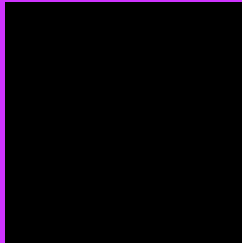
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 108.930, 320.160

Background



This preview shows how black text looks on a background with the CIELCh color 55, 108.930, 320.160.

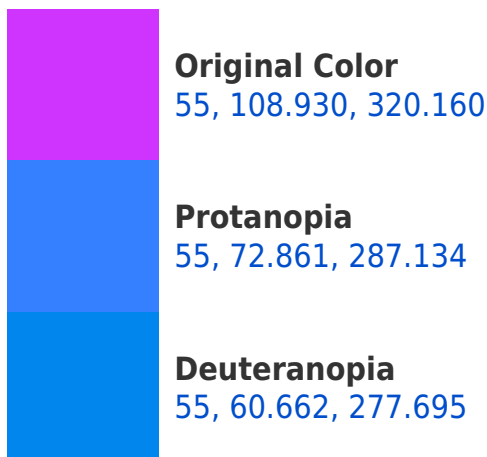


This preview shows how white text looks on a background with the CIELCh color 55, 108.930, 320.160.

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, 33.142, 15.862

Trichromacy



Original Color
55, 108.930, 320.160



Protanomaly
51, 88.964, 301.064



Deuteranomaly
49, 81.236, 295.433



Tritanomaly
53, 56.785, 336.515

Monochromacy



Original Color
55, 108.930, 320.160



Achromatopsia
51, 0.007, 296.813



Achromatomaly
49, 47.078, 319.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 108.930, 320.160 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(207, 52, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 52, 255)  
}
```

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(207, 52, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 52, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 108.930, 320.160 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(207, 52, 255) }
```

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

```
.border{ border-color:rgb(207, 52, 255) }
```

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

Here you see how a box with a 4 pixel rgb(207, 52, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 52, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 52, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 52,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 108.930, 320.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 52, 255) }
```

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

```
.background{ background-color: rgb(207, 52,  
255) }
```

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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