

Converting Colors

CIELCh(55, 109.200, 320.334)

Have a look what the booklet for
CIELCh(55, 109.200, 320.334)
contains.

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Color

CIELCh(55, 109.197, 320.346)

Conversions

Conversions Part 1

Format	Color
Hex	D033FF
RGB	208, 51, 255
RGB Percent	82%, 20%, 100%
CMY	0.1851, 0.8010, 0.0008
CMYK	0.18, 0.80, 0.00, 0.00
HSL	286°, 100%, 60%
HSV	286°, 80%, 100%
XYZ	45.1417, 22.9298, 96.4801
YIQ	121.1990, 28.0880, 96.7280

Conversions

Conversions Part 2

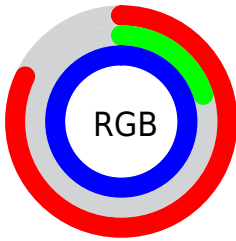
Format	Color
R _Y B	208, 51, 255
Decimal	13644799
CIE Lab	55.00, 84.07, -69.68
CIE LCh	55, 109.197, 320.346
Yxy	22.9298, 0.2743, 0.1393
Android (android.graphics.Color)	4291834879 (0xFFD033FF)
YUV	121.1990, 65.9639, 76.1245
Hunter-Lab	47.8851, 84.4746, -85.9393

Details

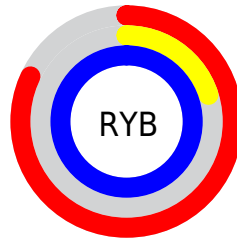
The CIELCh color **55, 109.197, 320.346** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 106.932, 133.777**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 83.658, 327.254**, and **38, 97.737, 318.996** is the 20% darker color. If you saturate the color by 10%, you get **52, 115.251, 320.041**, and if you desaturate by 10%, it is **59, 100.045, 320.408**.

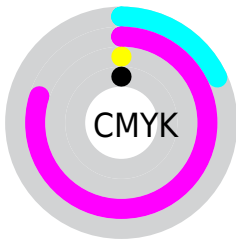
Distribution



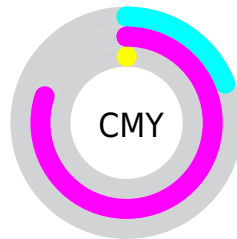
- Red (82%)
- Green (20%)
- Blue (100%)



- Red (82%)
- Yellow (20%)
- Blue (100%)



- Cyan (18%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 109.197, 320.346 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, 109.197, 320.346 by changing the saturation by 10% instead.


 55, 109.197,
320.346


 55, 109.197,
320.346


 100, 109.197,
320.346


 45, 109.197,
320.346


 75, 109.197,
320.346


 35, 109.197,
320.346


 85, 109.197,
320.346

 25, 109.197,
320.346

 95, 109.197,
320.346

 15, 109.197,
320.346

 5, 109.197,
320.346

 0, 109.197,
320.346

■ 55, 109.197,
320.346

■ 55, 109.197,
320.346

■ 52, 115.251,
320.041

■ 59, 100.045,
320.408

■ 51, 118.330,
319.500

■ 63, 88.384,
320.276

■ 68, 74.952,
320.003

■ 74, 60.433,
319.638

■ 80, 45.368,
319.219

■ 87, 30.144,
318.774

■ 93, 15.015,
318.320

100, 0.142,

316.204

100, 0.093,
109.341

Harmonies

Complementary

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



55, 109.197, 320.346



89, 106.932, 133.777

Rectangle

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



55, 109.197, 320.346



55, 109.197, 10.346



55, 109.197, 140.346



55, 109.197, 190.346

Sweetspot

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



55, 109.195, 320.346



84, 36.122, 318.950



48, 90.993, 295.830



43, 24.856, 319.108



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, 109.195, 320.346



51, 117.374, 319.735



60, 90.434, 339.849



50, 8.462, 318.294



38, 95.305, 319.636



9, 43.658, 320.595

Inverse Universe

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



57, 79.559, 17.889



54, 89.760, 26.112



88, 95.787, 143.477



50, 5.491, 1.814



40, 73.500, 27.238



10, 31.808, 17.127

Previews

White Background



This preview shows how the CIELCh color 55, 109.197, 320.346 looks on a white background.

Color Contrast Check

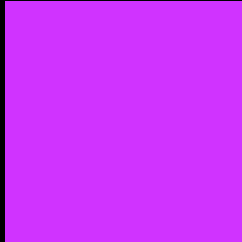
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.197, 320.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

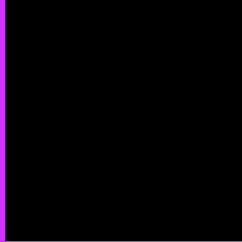
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 109.197, 320.346

Background



This preview shows how black text looks on a background with the CIELCh color 55, 109.197, 320.346.

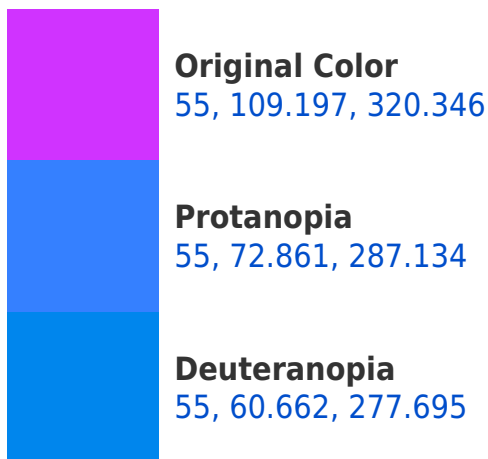


This preview shows how white text looks on a background with the CIELCh color 55, 109.197, 320.346.

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, 34.033, 16.214

Trichromacy



Original Color
55, 109.197, 320.346



Protanomaly
51, 88.964, 301.064



Deuteranomaly
49, 80.674, 295.456



Tritanomaly
53, 57.159, 337.206

Monochromacy



Original Color
55, 109.197, 320.346



Achromatopsia
51, 0.007, 296.813



Achromatomaly
49, 47.835, 319.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 109.197, 320.346 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(208, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 51, 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(208, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 51, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 109.197, 320.346 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(208, 51, 255) }
```

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

```
.border{ border-color:rgb(208, 51, 255) }
```

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

Here you see how a box with a 4 pixel rgb(208, 51, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 51,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 109.197, 320.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 51, 255) }
```

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

```
.background{ background-color: rgb(208, 51,  
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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