

Converting Colors

CIELCh(55, 106.633, 321.004)

Have a look what the booklet for
CIELCh(55, 106.633, 321.004)
contains.

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Color

CIELCh(55, 106.460, 321.076)

Conversions

Conversions Part 1

Format	Color
Hex	D135FA
RGB	209, 53, 250
RGB Percent	82%, 21%, 98%
CMY	0.1813, 0.7933, 0.0205
CMYK	0.16, 0.79, 0.00, 0.02
HSL	288°, 95%, 59%
HSV	288°, 79%, 98%
XYZ	44.7098, 22.9298, 92.3277
YIQ	122.1020, 29.7390, 94.3390

Conversions

Conversions Part 2

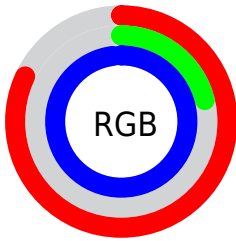
Format	Color
R _{YB}	209, 53, 250
Decimal	13710842
CIE _{Lab}	55.00, 82.82, -66.89
CIE _{LCh}	55, 106.460, 321.076
Yxy	22.9298, 0.2795, 0.1433
Android (android.graphics.Color)	4291900922 (0xFFD135FA)
YUV	122.1020, 63.0537, 76.2095
Hunter-Lab	47.8851, 82.8644, -80.7979

Details

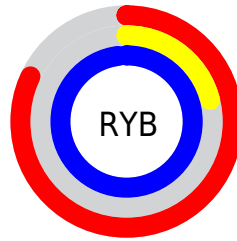
The CIELCh color **55, 106.460, 321.076** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **87, 104.856, 134.217**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 82.642, 327.221**, and **38, 95.488, 319.852** is the 20% darker color. If you saturate the color by 10%, you get **52, 112.668, 320.829**, and if you desaturate by 10%, it is **59, 97.258, 321.098**.

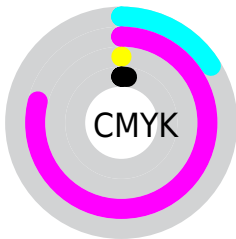
Distribution



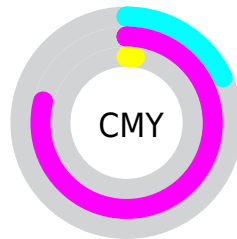
- Red (82%)
- Green (21%)
- Blue (98%)



- Red (82%)
- Yellow (21%)
- Blue (98%)



- Cyan (16%)
- Magenta (79%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (79%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 106.460, 321.076 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, 106.460, 321.076 by changing the saturation by 10% instead.


 55, 106.460,
321.076


 55, 106.460,
321.076


 100, 106.460,
321.076


 45, 106.460,
321.076


 75, 106.460,
321.076


 35, 106.460,
321.076


 85, 106.460,
321.076

 25, 106.460,
321.076

 95, 106.460,
321.076

 15, 106.460,
321.076

 5, 106.460,
321.076

 0, 106.460,
321.076

55, 106.460,
321.076

55, 106.460,
321.076

52, 112.668,
320.829

59, 97.258,
321.098

51, 115.867,
320.346

63, 85.643,
320.941

51, 116.143,
320.287

68, 72.325,
320.653

74, 57.962,
320.279

80, 43.074,
319.853

86, 28.034,
319.403

92, 13.092,
318.944

99, 1.598, 138.676

100, 2.638,
109.952

Harmonies

Complementary

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



55, 106.460, 321.076



87, 104.856, 134.217

Rectangle

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



55, 106.460, 321.076



55, 106.460, 11.076



55, 106.460, 141.076



55, 106.460, 191.076

Sweetspot

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



55, 106.458, 321.076



84, 36.319, 319.636



47, 90.103, 296.236



43, 24.986, 319.796



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, 106.458, 321.076



52, 116.744, 320.550



59, 87.541, 340.622



49, 8.375, 318.972



38, 94.029, 320.412



9, 42.382, 321.337

Inverse Universe

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



56, 77.968, 19.124



54, 90.388, 27.332



87, 92.130, 144.266



49, 5.355, 3.473



39, 73.774, 28.929



9, 30.953, 17.378

Previews

White Background



This preview shows how the CIELCh color 55, 106.460, 321.076 looks on a white background.

Color Contrast Check

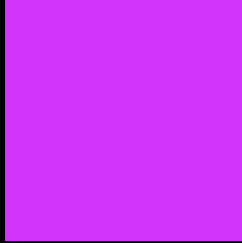
Large Text (above 18pt) WCAG AA ✓ Pass

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, 106.460, 321.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

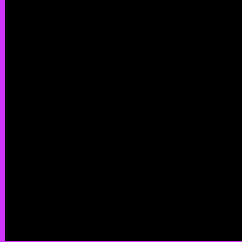
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 106.460, 321.076

Background



This preview shows how black text looks on a background with the CIELCh color 55, 106.460, 321.076.



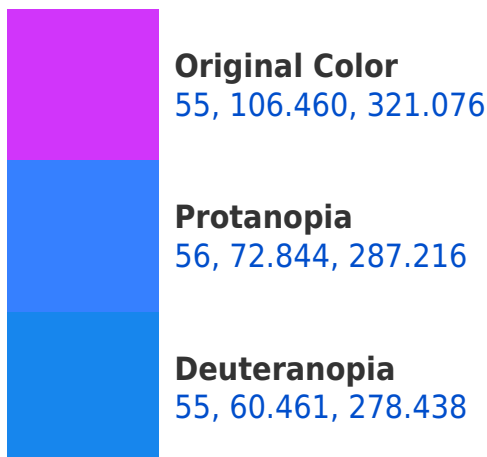
This preview shows how white text looks on a background with the CIELCh color 55, 106.460, 321.076.

321.076.

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, 35.346, 16.705

Trichromacy



Original Color
55, 106.460, 321.076



Protanomaly
52, 87.278, 300.947



Deuteranomaly
50, 79.857, 297.212



Tritanomaly
53, 56.855, 338.731

Monochromacy



Original Color
55, 106.460, 321.076



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 45.670, 320.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 106.460, 321.076 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(209, 53, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 53, 250)  
}
```

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(209, 53, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 53, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 106.460, 321.076 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(209, 53, 250) }
```

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

```
.border{ border-color:rgb(209, 53, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 53, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 53, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 53, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 53,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 106.460, 321.076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 53, 250) }
```

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

```
.background{ background-color: rgb(209, 53,  
250) }
```

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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