

Converting Colors

CIELCh(55, 111.649, 321.673)

Have a look what the booklet for
CIELCh(55, 111.649, 321.673)
contains.

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Color

CIELCh(55, 111.686, 321.686)

Conversions

Conversions Part 1

Format	Color
Hex	D627FE
RGB	214, 39, 254
RGB Percent	84%, 15%, 100%
CMY	0.1604, 0.8465, 0.0036
CMYK	0.16, 0.85, 0.00, 0.00
HSL	289°, 99%, 57%
HSV	289°, 85%, 100%
XYZ	46.3887, 22.9298, 95.8156
YIQ	115.8350, 35.2850, 103.9650

Conversions

Conversions Part 2

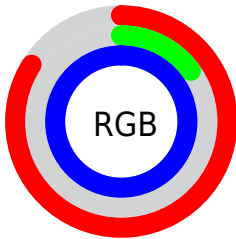
Format	Color
RYB	214, 39, 254
Decimal	14034942
CIELab	55.00, 87.63, -69.24
CIELCh	55, 111.686, 321.686
Yxy	22.9298, 0.2809, 0.1389
Android (android.graphics.Color)	4292225022 (0xFFD627FE)
YUV	115.8350, 68.1153, 86.0907
Hunter-Lab	47.8851, 89.1230, -85.1166

Details

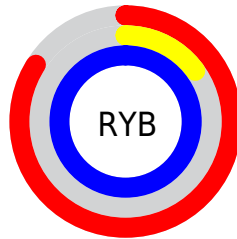
The CIELCh color **55, 111.686, 321.686** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **88, 111.058, 134.555**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 86.635, 327.348**, and **39, 96.827, 320.176** is the 20% darker color. If you saturate the color by 10%, you get **53, 115.981, 321.333**, and if you desaturate by 10%, it is **58, 104.212, 321.811**.

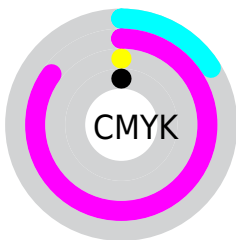
Distribution



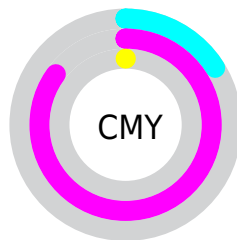
- Red (84%)
- Green (15%)
- Blue (100%)



- Red (84%)
- Yellow (15%)
- Blue (100%)



- Cyan (16%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (85%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 111.686, 321.686 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, 111.686, 321.686 by changing the saturation by 10% instead.

 55, 111.686,
321.686


 55, 111.686,
321.686


 100, 111.686,
321.686


 45, 111.686,
321.686


 75, 111.686,
321.686

 35, 111.686,
321.686


 85, 111.686,
321.686

 25, 111.686,
321.686

 95, 111.686,
321.686

 15, 111.686,
321.686

 5, 111.686,
321.686

 0, 111.686,
321.686

■ 55, 111.686,
321.686

■ 55, 111.686,
321.686

■ 53, 115.981,
321.333

■ 58, 104.212,
321.811

■ 52, 117.274,
321.067

■ 62, 93.902,
321.740

■ 67, 81.401,
321.515

■ 72, 67.416,
321.182

■ 78, 52.564,
320.778

■ 84, 37.321,
320.335

■ 90, 22.018,
319.875

■ 97, 6.874, 319.395

100, 0.454,
109.974

Harmonies

Complementary

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



55, 111.686, 321.686



88, 111.058, 134.555

Rectangle

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



55, 111.686, 321.686



55, 111.686, 11.686



55, 111.686, 141.686



55, 111.686, 191.686

Sweetspot

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



55, 111.684, 321.686



84, 38.054, 320.354



44, 100.782, 298.760



42, 25.988, 320.512



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, 111.684, 321.686



52, 117.596, 321.065



58, 90.046, 342.460



50, 8.567, 319.636



39, 94.674, 321.180



10, 43.423, 321.984

Inverse Universe

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



55, 84.166, 23.584



53, 94.798, 31.618



88, 96.747, 143.742



50, 5.404, 5.143



40, 75.638, 30.620



10, 32.066, 19.415

Previews

White Background



This preview shows how the CIELCh color 55, 111.686, 321.686 looks on a white background.

Color Contrast Check

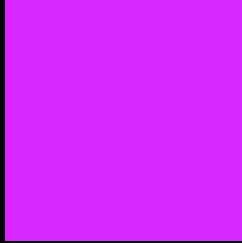
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.686, 321.686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

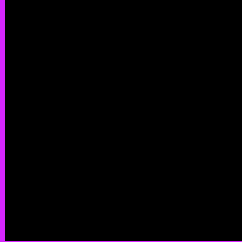
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 111.686, 321.686

Background



This preview shows how black text looks on a background with the CIELCh color 55, 111.686, 321.686.

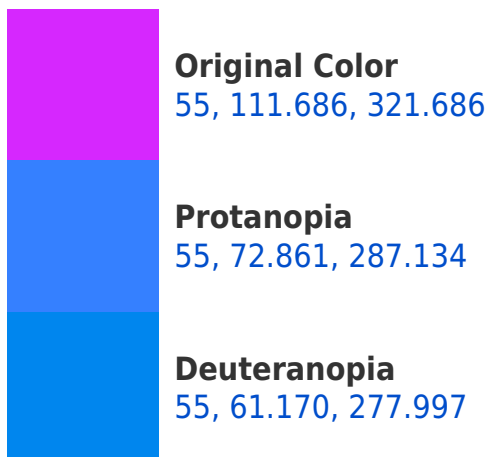


This preview shows how white text looks on a background with the CIELCh color 55, 111.686, 321.686.

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, 38.872, 17.946

Trichromacy



Original Color
55, 111.686, 321.686



Protanomaly
51, 91.302, 302.220



Deuteranomaly
49, 83.676, 296.805



Tritanomaly
53, 61.388, 339.783

Monochromacy



Original Color
55, 111.686, 321.686



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 50.259, 321.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 111.686, 321.686 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(214, 39, 254)` looks like.

```
.text, #text, p{  
    color:rgb(214, 39, 254)  
}
```

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(214, 39, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 39, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 111.686, 321.686 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(214, 39, 254) }
```

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

```
.border{ border-color:rgb(214, 39, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 39, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 39, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 39, 254);  
box-shadow:4px 4px 4px 4px rgb(214, 39,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 111.686, 321.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 39, 254) }
```

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

```
.background{ background-color: rgb(214, 39,  
254) }
```

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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