

# Converting Colors

CIELCh(55, 109.751, 321.281)

Have a look what the booklet for  
CIELCh(55, 109.751, 321.281)  
contains.

<b>CIELCh(55, 109.664, 321.195)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	25
<i><b>CSS Examples</b></i> .....	28

**Color**

**CIELCh(55, 109.664, 321.195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D32EFD
RGB	211, 46, 253
RGB Percent	83%, 18%, 99%
CMY	0.1721, 0.8190, 0.0074
CMYK	0.17, 0.82, 0.00, 0.01
HSL	288°, 98%, 59%
HSV	288°, 82%, 99%
XYZ	45.6250, 22.9298, 95.0397
YIQ	118.9330, 31.8930, 99.3570

# Conversions

## Conversions Part 2

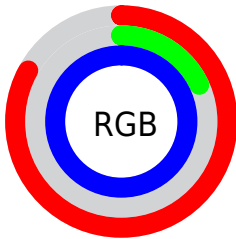
Format	Color
R <sub>YB</sub>	211, 46, 253
Decimal	13840125
CIE Lab	55.00, 85.46, -68.72
CIE LCh	55, 109.664, 321.195
Yxy	22.9298, 0.2789, 0.1402
Android (android.graphics.Color)	4292030205 (0xFFD32EFD)
YUV	118.9330, 66.0950, 80.7428
Hunter-Lab	47.8851, 86.2762, -84.1560

# Details

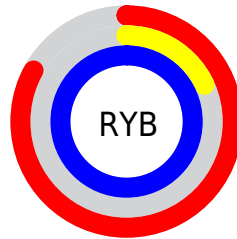
The CIELCh color **55, 109.664, 321.195** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **88, 108.343, 134.280**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 84.662, 327.285**, and **39, 96.628, 319.786** is the 20% darker color. If you saturate the color by 10%, you get **53, 114.963, 320.883**, and if you desaturate by 10%, it is **58, 101.235, 321.275**.

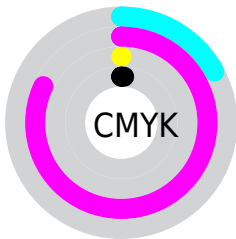
# Distribution



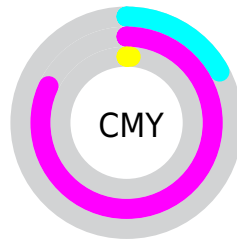
- Red (83%)
- Green (18%)
- Blue (99%)



- Red (83%)
- Yellow (18%)
- Blue (99%)



- Cyan (17%)
- Magenta (82%)
- Yellow (0%)
- Black (1%)




- Cyan (17%)
- Magenta (82%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 109.664, 321.195 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, 109.664, 321.195 by changing the saturation by 10% instead.





 55, 109.664,  
321.195


 55, 109.664,  
321.195


 100, 109.664,  
321.195


 45, 109.664,  
321.195


 75, 109.664,  
321.195


 35, 109.664,  
321.195


 85, 109.664,  
321.195

 25, 109.664,  
321.195

 95, 109.664,  
321.195

 15, 109.664,  
321.195

 5, 109.664,  
321.195

 0, 109.664,  
321.195

55, 109.664,  
321.195

55, 109.664,  
321.195

53, 114.963,  
320.883

58, 101.235,  
321.275

51, 117.225,  
320.464

63, 90.164,  
321.163

67, 77.149,  
320.907

73, 62.883,  
320.553

79, 47.939,  
320.138

85, 32.738,  
319.692

92, 17.568,  
319.233

98, 2.614, 318.707

100, 0.948,  
110.025

# Harmonies

# Complementary

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



55, 109.664, 321.195



88, 108.343, 134.280

# Rectangle

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



55, 109.664, 321.195



55, 109.664, 11.195



55, 109.664, 141.195



55, 109.664, 191.195

# Sweetspot

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



55, 109.662, 321.195



84, 37.896, 319.839



46, 94.726, 297.148



42, 25.885, 319.996



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, 109.662, 321.195



52, 117.402, 320.567



59, 89.719, 341.024



50, 8.527, 319.128



39, 94.904, 320.585



10, 43.509, 321.449



# Inverse Universe

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



56, 81.164, 20.872



54, 92.486, 29.368



88, 95.463, 143.723



50, 5.435, 3.862



40, 74.801, 29.376



10, 31.967, 18.587



# Previews

## White Background



This preview shows how the CIELCh color 55, 109.664, 321.195 looks on a white background.

## Color Contrast Check

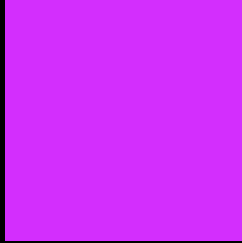
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.664, 321.195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

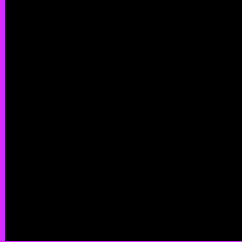
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 55, 109.664, 321.195

## Background



This preview shows how black text looks on a background with the CIELCh color 55, 109.664, 321.195.



This preview shows how white text looks on a background with the CIELCh color 55, 109.664, 321.195.

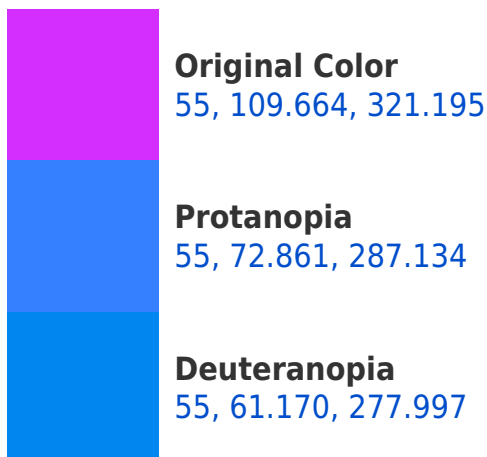




# Color Blindness Simulation

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, 36.661, 17.178

# Trichromacy



**Original Color**  
55, 109.664, 321.195



**Protanomaly**  
51, 89.620, 301.565



**Deuteranomaly**  
49, 81.904, 296.103



**Tritanomaly**  
53, 59.139, 338.721

# Monochromacy



**Original Color**  
55, 109.664, 321.195



**Achromatopsia**  
50, 0.007, 296.813



**Achromatomaly**  
49, 48.035, 320.297

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 55, 109.664, 321.195 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(211, 46, 253)` looks like.

```
.text, #text, p{  
    color:rgb(211, 46, 253)  
}
```

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(211, 46, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 46, 253) }
```

## Border

The CSS property to change the border of an element to CIELCh 55, 109.664, 321.195 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(211, 46, 253) }
```

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

```
.border{ border-color:rgb(211, 46, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 46, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 46, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 46, 253);  
box-shadow:4px 4px 4px 4px rgb(211, 46,  
253) }
```

# Background

The CSS property to change the background color of an element to CIELCh 55, 109.664, 321.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 46, 253) }
```

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

```
.background{ background-color: rgb(211, 46,  
253) }
```

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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