

# Converting Colors

CIELCh(61, 113.627, 328.175)

Have a look what the booklet for  
CIELCh(61, 113.627, 328.175)  
contains.

<b>CIELCh(61, 113.499, 328.171)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	25
<b><i>CSS Examples</i></b> .....	28

**Color**

**CIELCh(61, 113.499, 328.171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1AFF
RGB	255, 26, 255
RGB Percent	100%, 10%, 100%
CMY	0.0000, 0.8998, 0.0000
CMYK	0.00, 0.90, 0.00, 0.00
HSL	300°, 100%, 55%
HSV	300°, 90%, 100%
XYZ	59.7528, 29.2481, 97.2635
YIQ	120.5770, 62.9750, 119.7670

# Conversions

## Conversions Part 2

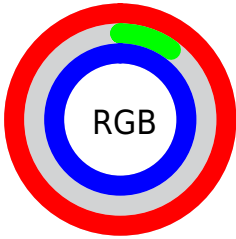
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 26, 255
Decimal	16718591
CIE Lab	61.00, 96.43, -59.86
CIE LCh	61, 113.499, 328.171
Yxy	29.2481, 0.3208, 0.1570
Android (android.graphics.Color)	4294908671 (0xFFFF1AFF)
YUV	120.5770, 66.2705, 117.8890
Hunter-Lab	54.0815, 102.5758, -68.7736

# Details

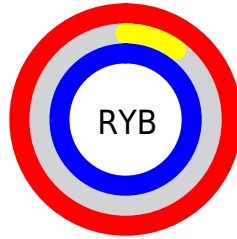
The CIELCh color **61, 113.499, 328.171** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **88, 117.175, 136.351**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 86.147, 327.332**, and **46, 95.248, 327.428** is the 20% darker color. If you saturate the color by 10%, you get **60, 115.564, 328.232**, and if you desaturate by 10%, it is **62, 108.679, 328.027**.

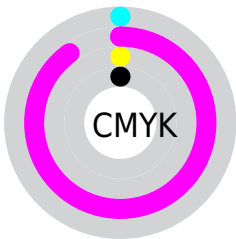
# Distribution



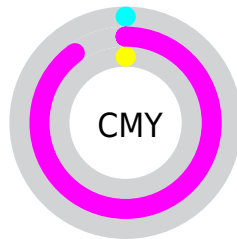
- Red (100%)
- Green (10%)
- Blue (100%)



- Red (100%)
- Yellow (10%)
- Blue (100%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (90%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 113.499, 328.171 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 61, 113.499, 328.171 by changing the saturation by 10% instead.





 61, 113.499,  
328.171


 61, 113.499,  
328.171


 100, 113.499,  
328.171


 51, 113.499,  
328.171


 81, 113.499,  
328.171


 41, 113.499,  
328.171


 91, 113.499,  
328.171

 31, 113.499,  
328.171

 21, 113.499,  
328.171

 11, 113.499,  
328.171

 1, 113.499,  
328.171

 0, 113.499,

328.171

■ 61, 113.499,  
328.171

■ 61, 113.499,  
328.171

■ 60, 115.564,  
328.232

■ 62, 108.679,  
328.027

■ 60, 115.567,  
328.233

■ 65, 100.923,  
327.792

■ 68, 90.401,  
327.466

■ 72, 77.635,  
327.061

■ 77, 63.255,  
326.593

■ 82, 47.859,  
326.079

■ 88, 31.949,  
325.536

■ 94, 15.900,  
324.974

100, 0.012,  
296.813

# Harmonies

# Complementary

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



61, 113.499, 328.171



88, 117.175, 136.351

# Rectangle

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



61, 113.499, 328.171



61, 113.499, 18.171



61, 113.499, 148.171



61, 113.499, 198.171

# Sweetspot

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



61, 113.429, 328.169



84, 43.154, 325.920



34, 128.431, 305.534



43, 29.038, 326.102



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61, 113.429, 328.169



60, 115.567, 328.233



56, 83.376, 358.833



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233



# Inverse Universe

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



61, 113.429, 328.169



60, 115.567, 328.233



89, 84.577, 150.948



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233



# Previews

## White Background



This preview shows how the CIE LCh color 61, 113.499, 328.171 looks on a white background.

## Color Contrast Check

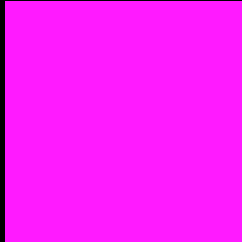
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 113.499, 328.171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

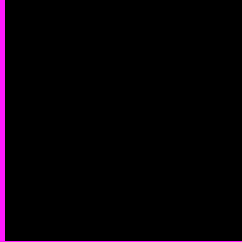
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 113.499, 328.171

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 113.499, 328.171.



This preview shows how white text looks on a background with the CIELCh color 61, 113.499, 328.171.





# 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



### Original Color

61, 113.371, 328.167

### Protanopia

61, 62.636, 286.020

### Deuteranopia

61, 52.695, 279.892



**Tritanopia**  
61, 58.106, 23.307

# Trichromacy



**Original Color**  
61, 113.371, 328.167



**Protanomaly**  
55, 87.755, 307.612



**Deuteranomaly**  
55, 81.445, 307.222



**Tritanomaly**  
59, 72.240, 351.779

# Monochromacy



**Original Color**  
61, 113.371, 328.167



**Achromatopsia**  
50, 0.007, 296.813



**Achromatomaly**  
49, 54.874, 326.966

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 113.499, 328.171 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(255, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 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(255, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 255) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 113.499, 328.171 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(255, 26, 255) }
```

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

```
.border{ border-color:rgb(255, 26, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
255) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 113.499, 328.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 255) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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