

Converting Colors

CIELCh(61, 99.482, 332.907)

Have a look what the booklet for
CIELCh(61, 99.482, 332.907)
contains.

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Color

CIELCh(61, 99.418, 332.947)

Conversions

Conversions Part 1

Format	Color
Hex	FF33E5
RGB	255, 51, 229
RGB Percent	100%, 20%, 90%
CMY	0.0004, 0.8005, 0.1023
CMYK	0.00, 0.80, 0.10, 0.00
HSL	308°, 100%, 60%
HSV	308°, 80%, 100%
XYZ	56.5107, 29.2481, 76.7273
YIQ	132.2880, 64.4460, 98.6060

Conversions

Conversions Part 2

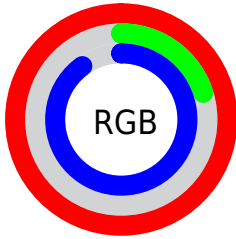
Format	Color
R _Y B	255, 51, 229
Decimal	16724965
CIE Lab	61.00, 88.54, -45.22
CIE LCh	61, 99.418, 332.947
Yxy	29.2481, 0.3478, 0.1800
Android (android.graphics.Color)	4294915045 (0xFFFF33E5)
YUV	132.2880, 47.6790, 107.6184
Hunter-Lab	54.0815, 91.8749, -46.2596

Details

The CIELCh color **61, 99.418, 332.947** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **88, 104.936, 139.563**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 80.575, 327.155**, and **45, 86.398, 333.090** is the 20% darker color. If you saturate the color by 10%, you get **59, 103.212, 333.551**, and if you desaturate by 10%, it is **64, 92.600, 332.357**.

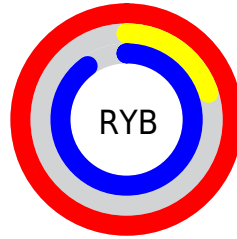
Distribution



Red (100%)

Green (20%)

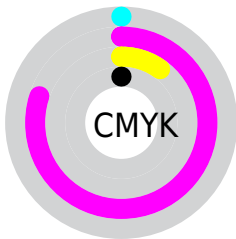
Blue (90%)



Red (100%)

Yellow (20%)

Blue (90%)

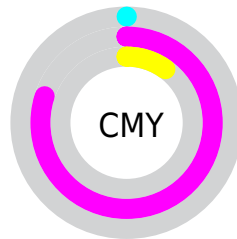


Cyan (0%)

Magenta (80%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 99.418, 332.947 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, 99.418, 332.947 by changing the saturation by 10% instead.


 61, 99.418,
332.947


 61, 99.418,
332.947


 100, 99.418,
332.947


 51, 99.418,
332.947


 81, 99.418,
332.947

 41, 99.418,
332.947

 91, 99.418,
332.947

 31, 99.418,
332.947

 21, 99.418,
332.947

 11, 99.418,
332.947

 1, 99.418, 332.947

 0, 99.418, 332.947

61, 99.418,
332.947

61, 99.418,
332.947

59, 103.212,
333.551

64, 92.600,
332.357

59, 104.354,
334.185

67, 83.061,
331.763

71, 71.359,
331.160

76, 58.135,
330.547

82, 43.981,
329.929

88, 29.372,
329.310

94, 14.656,
328.692

100, 0.073,

323.349

100, 0.035,
218.792

Harmonies

Complementary

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



61, 99.418, 332.947



88, 104.936, 139.563

Rectangle

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



61, 99.418, 332.947



61, 99.418, 22.947



61, 99.418, 152.947



61, 99.418, 202.947

Sweetspot

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



61, 99.415, 332.947



85, 35.193, 329.555



40, 116.887, 305.246



43, 24.165, 329.775



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, 99.415, 332.947



59, 104.117, 333.927



57, 78.100, 5.009



50, 8.297, 328.658



44, 84.221, 334.069



12, 39.211, 333.278

Inverse Universe

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



61, 99.415, 332.947



59, 104.117, 333.927



90, 69.541, 159.765



50, 8.297, 328.658



44, 84.221, 334.069



12, 39.211, 333.278

Previews

White Background



This preview shows how the CIELCh color 61, 99.418, 332.947 looks on a white background.

Color Contrast Check

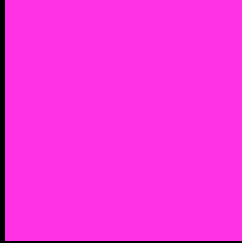
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 61, 99.418, 332.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

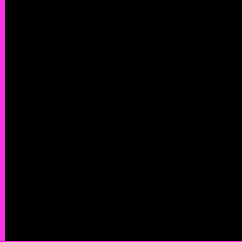
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 99.418, 332.947

Background



This preview shows how black text looks on a background with the CIELCh color 61, 99.418, 332.947.

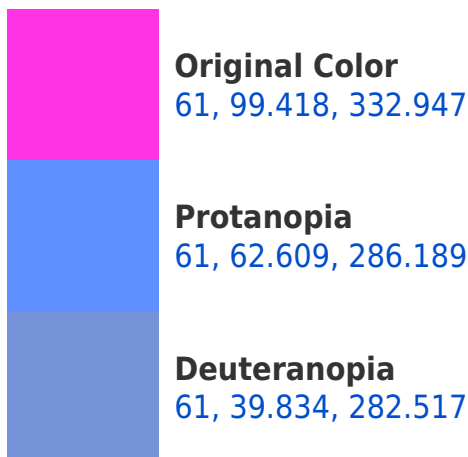


This preview shows how white text looks on a background with the CIELCh color 61, 99.418, 332.947.

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
61, 61.134, 24.028

Trichromacy



Original Color
61, 99.418, 332.947



Protanomaly
57, 77.801, 306.789



Deuteranomaly
57, 64.608, 312.162



Tritanomaly
60, 68.425, 357.856

Monochromacy



Original Color
61, 99.418, 332.947



Achromatopsia
55, 0.007, 296.813



Achromatomaly
54, 45.474, 330.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 99.418, 332.947 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, 51, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 229)  
}
```

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, 51, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 99.418, 332.947 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, 51, 229) }
```

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

```
.border{ border-color:rgb(255, 51, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 99.418, 332.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 229) }
```

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

```
.background{ background-color: rgb(255, 51,  
229) }
```

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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