

Converting Colors

CIELCh(64, 103.631, 327.875)

Have a look what the booklet for
CIELCh(64, 103.631, 327.875)
contains.

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Color

CIELCh(64, 103.527, 327.871)

Conversions

Conversions Part 1

Format	Color
Hex	FF45FF
RGB	255, 69, 255
RGB Percent	100%, 27%, 100%
CMY	0.0000, 0.7286, 0.0000
CMYK	0.00, 0.73, 0.00, 0.00
HSL	300°, 100%, 64%
HSV	300°, 73%, 100%
XYZ	61.5157, 32.8017, 97.8298
YIQ	145.8180, 51.1500, 97.2780

Conversions

Conversions Part 2

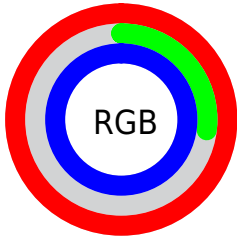
Format	Color
R _Y B	255, 69, 255
Decimal	16729599
CIE Lab	64.00, 87.67, -55.06
CIE LCh	64, 103.527, 327.871
Yxy	32.8017, 0.3201, 0.1707
Android (android.graphics.Color)	4294919679 (0xFFFF45FF)
YUV	145.8180, 53.8267, 95.7526
Hunter-Lab	57.2727, 91.4965, -61.1847

Details

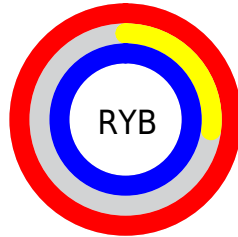
The CIELCh color **64, 103.527, 327.871** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 105.621, 137.717**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **73, 74.128, 326.948**, and **46, 95.224, 327.629** is the 20% darker color. If you saturate the color by 10%, you get **62, 110.357, 328.078**, and if you desaturate by 10%, it is **67, 93.689, 327.569**.

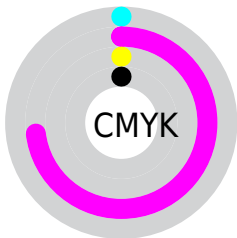
Distribution



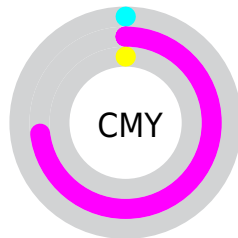
- Red (100%)
- Green (27%)
- Blue (100%)



- Red (100%)
- Yellow (27%)
- Blue (100%)



- Cyan (0%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 103.527, 327.871 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 64, 103.527, 327.871 by changing the saturation by 10% instead.


 64, 103.527,
327.871


 64, 103.527,
327.871


 100, 103.527,
327.871


 54, 103.527,
327.871


 84, 103.527,
327.871


 44, 103.527,
327.871

 94, 103.527,
327.871

 34, 103.527,
327.871

 24, 103.527,
327.871

 14, 103.527,
327.871

 4, 103.527,
327.871

 0, 103.527,

327.871

■ 64, 103.527,
327.871

■ 64, 103.527,
327.871

■ 62, 110.357,
328.078

■ 67, 93.689,
327.569

■ 61, 114.255,
328.194

■ 71, 81.507,
327.185

■ 60, 115.567,
328.233

■ 75, 67.527,
326.733

■ 81, 52.368,
326.231

■ 86, 36.562,
325.695

■ 92, 20.521,
325.138

98, 4.540, 324.532

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.



64, 103.527, 327.871



89, 105.621, 137.717

Rectangle

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



64, 103.527, 327.871



64, 103.527, 17.871



64, 103.527, 147.871



64, 103.527, 197.871

Sweetspot

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



64, 103.459, 327.869



87, 35.186, 325.648



42, 108.005, 302.617



44, 23.638, 325.796



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 103.459, 327.869



61, 112.326, 328.136



60, 76.163, 353.572



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.



64, 103.459, 327.869



61, 112.326, 328.136



90, 73.219, 154.513



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIELCh color 64, 103.527, 327.871 looks on a white background.

Color Contrast Check

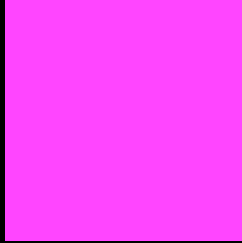
Large Text (above 18pt) WCAG AA × Fail

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 64, 103.527, 327.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

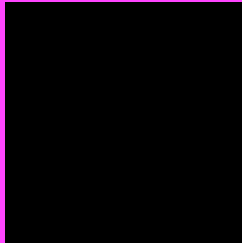
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 103.527, 327.871

Background



This preview shows how black text looks on a background with the CIELCh color 64, 103.527, 327.871.



This preview shows how white text looks on a background with the CIELCh color 64, 103.527, 327.871.

327.871.

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

64, 103.527, 327.871

Protanopia

64, 57.654, 285.585

Deuteranopia

64, 49.239, 280.818



Tritanopia
64, 51.794, 20.917

Trichromacy



Original Color
64, 103.527, 327.871



Protanomaly
61, 75.340, 306.088



Deuteranomaly
61, 69.911, 305.883

Tritanomaly
63, 63.754, 350.698

Monochromacy



Original Color
64, 103.527, 327.871



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 44.979, 326.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 103.527, 327.871 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, 69, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 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, 69, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 103.527, 327.871 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, 69, 255) }
```

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

```
.border{ border-color:rgb(255, 69, 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, 69, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 103.527, 327.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 255) }
```

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

```
.background{ background-color: rgb(255, 69,  
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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