

Converting Colors

CIELCh(65, 100.616, 327.783)

Have a look what the booklet for
CIELCh(65, 100.616, 327.783)
contains.

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Color

CIELCh(65, 100.397, 327.776)

Conversions

Conversions Part 1

Format	Color
Hex	FF4EFF
RGB	255, 78, 255
RGB Percent	100%, 31%, 100%
CMY	0.0000, 0.6928, 0.0000
CMYK	0.00, 0.69, 0.00, 0.00
HSL	300°, 100%, 65%
HSV	300°, 69%, 100%
XYZ	62.1885, 34.0472, 98.1349
YIQ	151.1010, 48.6750, 92.5710

Conversions

Conversions Part 2

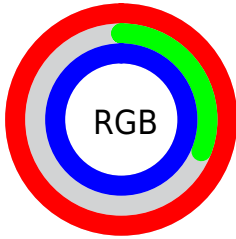
Format	Color
R _Y B	255, 78, 255
Decimal	16731903
CIE _{Lab}	65.00, 84.93, -53.53
CIE _{LCh}	65, 100.397, 327.776
Yxy	34.0472, 0.3199, 0.1752
Android (android.graphics.Color)	4294921983 (0xFFFF4EFF)
YUV	151.1010, 51.2222, 91.1194
Hunter-Lab	58.3500, 88.1301, -58.8709

Details

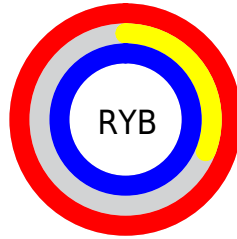
The CIELCh color **65, 100.397, 327.776** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 102.083, 138.098**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 70.214, 326.821**, and **46, 95.608, 327.432** is the 20% darker color. If you saturate the color by 10%, you get **63, 108.237, 328.014**, and if you desaturate by 10%, it is **68, 89.579, 327.440**.

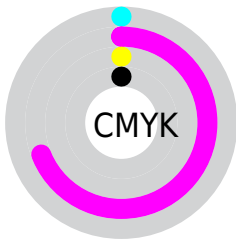
Distribution



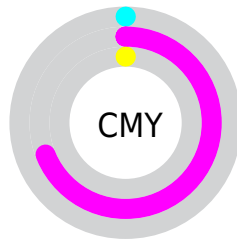
- Red (100%)
- Green (31%)
- Blue (100%)



- Red (100%)
- Yellow (31%)
- Blue (100%)



- Cyan (0%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 100.397, 327.776 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 65, 100.397, 327.776 by changing the saturation by 10% instead.


 65, 100.397,
327.776


 65, 100.397,
327.776


 100, 100.397,
327.776


 55, 100.397,
327.776


 85, 100.397,
327.776


 45, 100.397,
327.776

 95, 100.397,
327.776

 35, 100.397,
327.776


 25, 100.397,
327.776


 15, 100.397,
327.776


 5, 100.397,
327.776


 0, 100.397,


327.776


 65, 100.397,
327.776


 65, 100.397,
327.776


 63, 108.237,
328.014


 68, 89.579,
327.440


 61, 113.194,
328.162

 72, 76.680,
327.030


 60, 115.448,
328.229

 77, 62.210,
326.559

 60, 115.567,
328.233

 83, 46.764,
326.042

 88, 30.833,
325.498

 94, 14.786,
324.934

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.



65, 100.397, 327.776



89, 102.083, 138.098

Rectangle

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



65, 100.397, 327.776



65, 100.397, 17.776



65, 100.397, 147.776



65, 100.397, 197.776

Sweetspot

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



65, 100.276, 327.772



87, 33.585, 325.593



45, 102.585, 301.840



45, 22.731, 325.744



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 100.276, 327.772



62, 110.432, 328.080



61, 73.743, 352.718



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.



65, 100.276, 327.772



62, 110.432, 328.080



90, 70.460, 155.179



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 65, 100.397, 327.776 looks on a white background.

Color Contrast Check

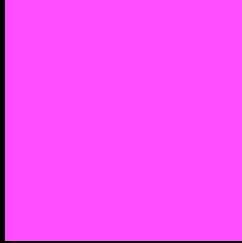
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 65, 100.397, 327.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

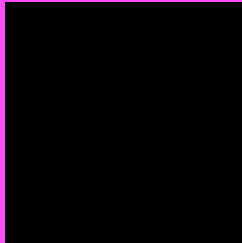
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 100.397, 327.776

Background



This preview shows how black text looks on a background with the CIELCh color 65, 100.397, 327.776.



This preview shows how white text looks on a background with the CIELCh color 65, 100.397, 327.776.

327.776.

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

65, 100.397, 327.776

Protanopia

65, 55.826, 285.309

Deuteranopia

65, 48.445, 281.500



Tritanopia
65, 50.234, 19.853

Trichromacy



Original Color
65, 100.397, 327.776



Protanomaly
62, 72.364, 306.031



Deuteranomaly
62, 67.538, 306.043



Tritanomaly
64, 61.810, 350.519

Monochromacy



Original Color
65, 100.397, 327.776



Achromatopsia
62, 0.008, 296.813



Achromatomaly
61, 42.302, 326.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 100.397, 327.776 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, 78, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 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, 78, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 100.397, 327.776 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, 78, 255) }
```

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

```
.border{ border-color:rgb(255, 78, 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, 78, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 78, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 78, 255); box-shadow:4px 4px 4px 4px rgb(255, 78, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 100.397, 327.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 255) }
```

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

```
.background{ background-color: rgb(255, 78,  
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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