

Converting Colors

CIELCh(64, 87.461, 321.747)

Have a look what the booklet for
CIELCh(64, 87.461, 321.747)
contains.

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Color

CIELCh(64, 87.245, 321.826)

Conversions

Conversions Part 1

Format	Color
Hex	E267FD
RGB	226, 103, 253
RGB Percent	89%, 40%, 99%
CMY	0.1152, 0.5975, 0.0093
CMYK	0.11, 0.59, 0.00, 0.01
HSL	289°, 97%, 70%
HSV	289°, 59%, 99%
XYZ	53.7260, 32.8017, 96.1116
YIQ	156.8770, 25.1580, 72.7260

Conversions

Conversions Part 2

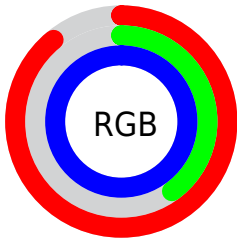
Format	Color
R _Y B	226, 103, 253
Decimal	14837757
CIE Lab	64.00, 68.59, -53.92
CIE LCh	64, 87.245, 321.826
Yxy	32.8017, 0.2942, 0.1796
Android (android.graphics.Color)	4293027837 (0xFFE267FD)
YUV	156.8770, 47.3886, 60.6209
Hunter-Lab	57.2727, 67.2186, -59.4059

Details

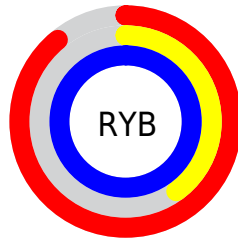
The CIELCh color $64, 87.245, 321.826$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $90, 85.883, 135.699$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 59.138, 326.457$, and $44, 87.349, 321.690$ is the 20% darker color. If you saturate the color by 10%, you get $60, 98.705, 321.986$, and if you desaturate by 10%, it is $69, 73.960, 321.538$.

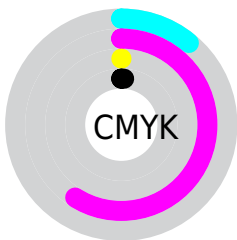
Distribution



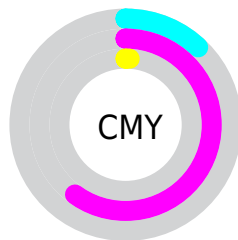
- Red (89%)
- Green (40%)
- Blue (99%)



- Red (89%)
- Yellow (40%)
- Blue (99%)



- Cyan (11%)
- Magenta (59%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (60%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 87.245, 321.826 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, 87.245, 321.826 by changing the saturation by 10% instead.

 64, 87.245,
321.826

 64, 87.245,
321.826

 100, 87.245,
321.826

 54, 87.245,
321.826


 84, 87.245,
321.826

 44, 87.245,
321.826

 94, 87.245,
321.826

 34, 87.245,
321.826

 24, 87.245,
321.826

 14, 87.245,
321.826

 4, 87.245, 321.826

 0, 87.245, 321.826

64, 87.245,
321.826

64, 87.245,
321.826

60, 98.705,
321.986

69, 73.960,
321.538

56, 107.651,
321.974

75, 59.525,
321.162

54, 113.557,
321.752

80, 44.482,
320.734

52, 116.514,
321.316

87, 29.228,
320.278

52, 116.662,
321.287

93, 14.036,
319.810

100, 0.921,
139.655

100, 1.195,
110.024

Harmonies

Complementary

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



64, 87.245, 321.826



90, 85.883, 135.699

Rectangle

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



64, 87.245, 321.826



64, 87.245, 11.826



64, 87.245, 141.826



64, 87.245, 191.826

Sweetspot

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



64, 87.243, 321.826



88, 27.344, 320.215



58, 69.343, 292.155



45, 19.033, 320.350



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, 87.243, 321.826



60, 101.102, 321.997



66, 72.183, 340.019



50, 8.582, 319.817



39, 94.595, 321.395



10, 43.394, 322.176

Inverse Universe

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



63, 61.175, 14.261



59, 73.118, 18.133



89, 72.115, 148.776



50, 5.393, 5.604



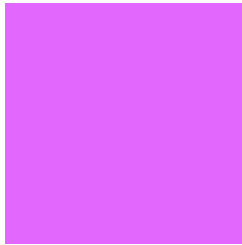
40, 75.942, 31.050



10, 32.102, 19.698

Previews

White Background



This preview shows how the CIELCh color 64, 87.245, 321.826 looks on a white background.

Color Contrast Check

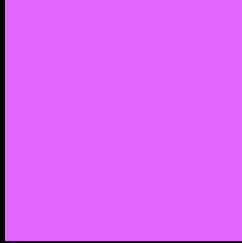
Large Text (above 18pt) WCAG AA × Fail

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, 87.245, 321.826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

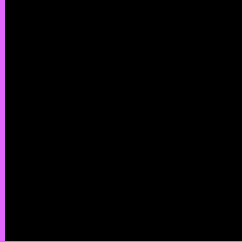
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 87.245, 321.826

Background



This preview shows how black text looks on a background with the CIELCh color 64, 87.245, 321.826.



This preview shows how white text looks on a background with the CIELCh color 64, 87.245, 321.826.

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, 87.245, 321.826

Protanopia

64, 57.624, 285.797

Deuteranopia

64, 49.805, 280.820



Tritanopia
64, 32.041, 13.139

Trichromacy



Original Color
64, 87.245, 321.826



Protanomaly
62, 67.345, 301.286



Deuteranomaly
62, 61.792, 300.299



Tritanomaly
63, 47.363, 340.005

Monochromacy



Original Color
64, 87.245, 321.826



Achromatopsia
65, 0.008, 296.813



Achromatomaly
63, 34.697, 320.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 87.245, 321.826 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(226, 103, 253)` looks like.

```
.text, #text, p{  
    color:rgb(226, 103, 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(226, 103, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 103, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 87.245, 321.826 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(226, 103, 253) }
```

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

```
.border{ border-color:rgb(226, 103, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 103, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 103, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 103, 253);  
box-shadow:4px 4px 4px 4px rgb(226, 103,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 87.245, 321.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 103, 253) }
```

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

```
.background{ background-color: rgb(226,  
103, 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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