

Converting Colors

CIELCh(64, 86.267, 323.875)

Have a look what the booklet for
CIELCh(64, 86.267, 323.875)
contains.

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Color

CIELCh(64, 86.400, 323.840)

Conversions

Conversions Part 1

Format	Color
Hex	E664F7
RGB	230, 100, 247
RGB Percent	90%, 39%, 97%
CMY	0.0966, 0.6065, 0.0300
CMYK	0.07, 0.59, 0.00, 0.03
HSL	293°, 91%, 68%
HSV	293°, 59%, 97%
XYZ	54.1836, 32.8017, 91.7571
YIQ	155.6280, 30.2930, 73.2770

Conversions

Conversions Part 2

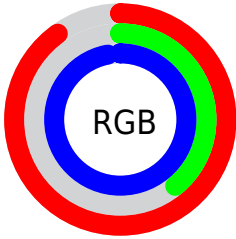
Format	Color
R _{YB}	230, 100, 247
Decimal	15099127
CIE _{Lab}	64.00, 69.76, -50.98
CIE _{LCh}	64, 86.400, 323.840
Y _{xy}	32.8017, 0.3031, 0.1835
Android (android.graphics.Color)	4293289207 (0xFFE664F7)
YUV	155.6280, 45.0464, 65.2242
Hunter-Lab	57.2727, 68.6448, -54.8980

Details

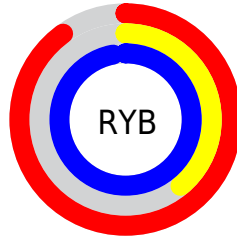
The CIELCh color **64, 86.400, 323.840** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **88, 86.010, 137.093**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 60.925, 326.516**, and **44, 86.329, 323.787** is the 20% darker color. If you saturate the color by 10%, you get **60, 97.342, 324.042**, and if you desaturate by 10%, it is **69, 73.528, 323.525**.

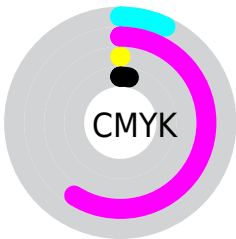
Distribution



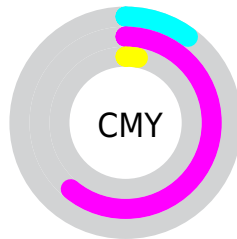
- Red (90%)
- Green (39%)
- Blue (97%)



- Red (90%)
- Yellow (39%)
- Blue (97%)



- Cyan (7%)
- Magenta (59%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (61%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 86.400, 323.840 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, 86.400, 323.840 by changing the saturation by 10% instead.


 64, 86.400,
323.840

 64, 86.400,
323.840


 100, 86.400,
323.840


 54, 86.400,
323.840


 84, 86.400,
323.840

 44, 86.400,
323.840

 94, 86.400,
323.840

 34, 86.400,
323.840

 24, 86.400,
323.840

 14, 86.400,
323.840

 4, 86.400, 323.840

 0, 86.400, 323.840

64, 86.400,
323.840

64, 86.400,
323.840

60, 97.342,
324.042

69, 73.528,
323.525

57, 105.732,
324.099

74, 59.379,
323.129

55, 111.149,
323.987

79, 44.503,
322.680

54, 113.776,
323.709

85, 29.326,
322.202

54, 113.894,
323.692

91, 14.147,
321.708

98, 0.837, 141.571

99, 4.216, 132.564

100, 3.924,
118.999

100, 3.866,
109.869

Harmonies

Complementary

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



64, 86.400, 323.840



88, 86.010, 137.093

Rectangle

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



64, 86.400, 323.840



64, 86.400, 13.840



64, 86.400, 143.840



64, 86.400, 193.840

Sweetspot

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



64, 86.398, 323.840



89, 27.831, 322.134



54, 74.236, 295.236



45, 19.363, 322.276



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, 86.398, 323.840



61, 101.259, 324.063



64, 68.209, 343.583



49, 8.600, 321.712



41, 92.923, 323.764



10, 41.981, 324.312

Inverse Universe

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



62, 60.931, 19.172



59, 74.743, 23.056



88, 67.185, 151.451



49, 5.217, 10.641



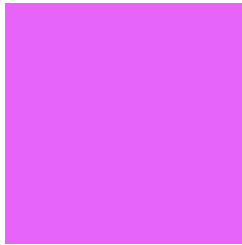
39, 78.392, 35.086



9, 31.428, 21.439

Previews

White Background



This preview shows how the CIELCh color 64, 86.400, 323.840 looks on a white background.

Color Contrast Check

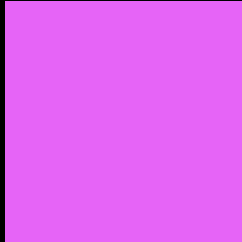
Large Text (above 18pt) WCAG AA × Fail

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, 86.400, 323.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

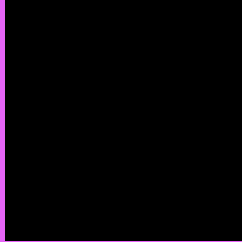
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 86.400, 323.840

Background



This preview shows how black text looks on a background with the CIELCh color 64, 86.400, 323.840.

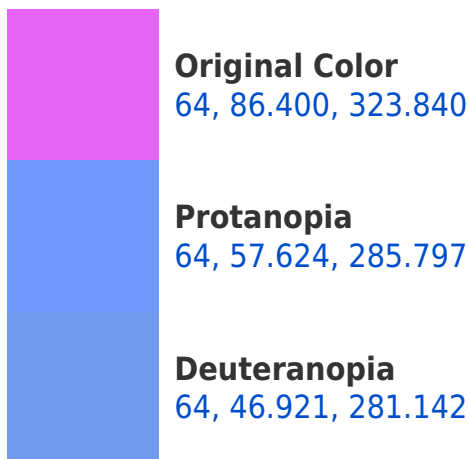


This preview shows how white text looks on a background with the CIELCh color 64, 86.400, 323.840.

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
64, 35.417, 14.548

Trichromacy



Original Color
64, 86.400, 323.840



Protanomaly
62, 66.909, 302.031



Deuteranomaly
62, 59.783, 302.002



Tritanomaly
63, 49.088, 343.420

Monochromacy



Original Color
64, 86.400, 323.840



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 34.104, 322.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 86.400, 323.840 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(230, 100, 247)` looks like.

```
.text, #text, p{  
    color:rgb(230, 100, 247)  
}
```

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(230, 100, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 100, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 86.400, 323.840 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(230, 100, 247) }
```

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

```
.border{ border-color:rgb(230, 100, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 100, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 100, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 100, 247);  
box-shadow:4px 4px 4px 4px rgb(230, 100,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 86.400, 323.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 100, 247) }
```

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

```
.background{ background-color: rgb(230,  
100, 247) }
```

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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