

Converting Colors

CIELCh(64, 82.457, 327.417)

Have a look what the booklet for
CIELCh(64, 82.457, 327.417)
contains.

CIELCh(64, 82.803, 327.385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 82.803, 327.385)

Conversions

Conversions Part 1

Format	Color
Hex	EC63EC
RGB	236, 99, 236
RGB Percent	93%, 39%, 93%
CMY	0.0746, 0.6118, 0.0746
CMYK	0.00, 0.58, 0.00, 0.07
HSL	300°, 78%, 66%
HSV	300°, 58%, 93%
XYZ	54.1792, 32.8017, 82.8123
YIQ	155.5810, 37.6750, 71.6510

Conversions

Conversions Part 2

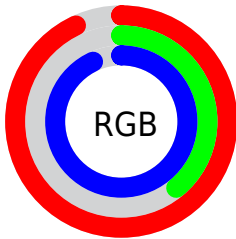
Format	Color
R _{YB}	236, 99, 236
Decimal	15492076
CIE _{Lab}	64.00, 69.75, -44.63
CIE _{LCh}	64, 82.803, 327.385
Yxy	32.8017, 0.3191, 0.1932
Android (android.graphics.Color)	4293682156 (0xFFEC63EC)
YUV	155.5810, 39.6466, 70.5275
Hunter-Lab	57.2727, 68.6313, -45.6382

Details

The CIELCh color $64, 82.803, 327.385$ is a light color, and the websafe version is hex $FF66FF$. A complement of this color would be $84, 83.613, 139.404$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $77, 61.517, 326.536$, and $44, 83.072, 327.299$ is the 20% darker color. If you saturate the color by 10%, you get $61, 93.190, 327.728$, and if you desaturate by 10%, it is $68, 70.436, 326.967$.

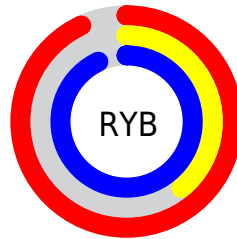
Distribution



Red (93%)

Green (39%)

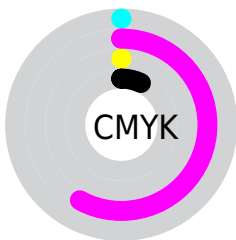
Blue (93%)



Red (93%)

Yellow (39%)

Blue (93%)

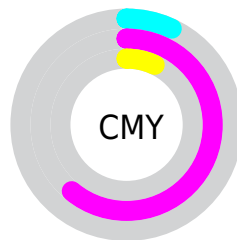


Cyan (0%)

Magenta (58%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (61%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 82.803, 327.385 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, 82.803, 327.385 by changing the saturation by 10% instead.

 64, 82.803,
327.385

 64, 82.803,
327.385


 100, 82.803,
327.385

 54, 82.803,
327.385


 84, 82.803,
327.385

 44, 82.803,
327.385

 94, 82.803,
327.385

 34, 82.803,
327.385

 24, 82.803,
327.385

 14, 82.803,
327.385

 4, 82.803, 327.385

 0, 82.803, 327.385

64, 82.803,
327.385

64, 82.803,
327.385

61, 93.190,
327.728

68, 70.436,
326.967

58, 101.084,
327.983

73, 56.687,
326.490

57, 106.186,
328.145

78, 42.095,
325.971

56, 108.644,
328.223

83, 27.103,
325.426

56, 108.980,
328.233

89, 12.039,
324.861

95, 2.870, 144.439

98, 11.849,
144.032

98, 11.848,
144.032

■ 98, 11.848,
144.033

Harmonies

Complementary

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



64, 82.803, 327.385



84, 83.613, 139.404

Rectangle

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



64, 82.803, 327.385



64, 82.803, 17.385



64, 82.803, 147.385



64, 82.803, 197.385

Sweetspot

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



64, 82.800, 327.385



90, 27.169, 325.371



49, 79.567, 299.271



46, 18.181, 325.483



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, 82.800, 327.385



65, 100.942, 327.793



61, 60.533, 350.397



46, 8.457, 324.943



43, 89.363, 328.233



9, 38.267, 328.233

Inverse Universe

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



64, 82.800, 327.385



65, 100.942, 327.793



85, 57.297, 157.128



46, 8.457, 324.943



43, 89.363, 328.233



9, 38.267, 328.233

Previews

White Background



This preview shows how the CIELCh color 64, 82.803, 327.385 looks on a white background.

Color Contrast Check

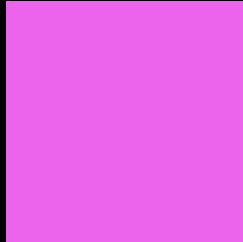
Large Text (above 18pt) WCAG AA × Fail

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 64, 82.803, 327.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

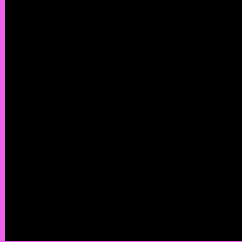
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 82.803, 327.385

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.803, 327.385.

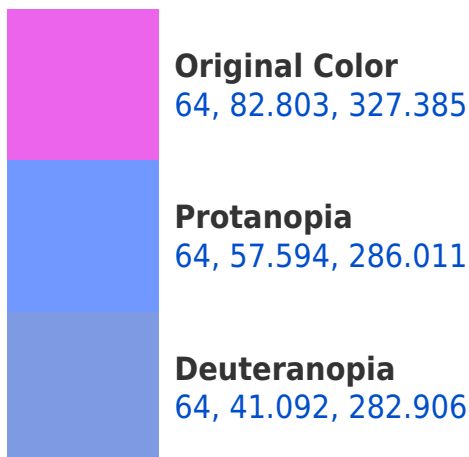


This preview shows how white text looks on a background with the CIELCh color 64, 82.803, 327.385.

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, 40.490, 16.377

Trichromacy



Original Color
64, 82.803, 327.385



Protanomaly
62, 64.813, 302.860



Deuteranomaly
62, 54.800, 305.905



Tritanomaly
63, 50.751, 348.923

Monochromacy



Original Color
64, 82.803, 327.385



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 33.291, 325.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.803, 327.385 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(236, 99, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 99, 236)  
}
```

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(236, 99, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 99, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.803, 327.385 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(236, 99, 236) }
```

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

```
.border{ border-color:rgb(236, 99, 236) }
```

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

Here you see how a box with a 4 pixel rgb(236, 99, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 99, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 99, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 99,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.803, 327.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 99, 236) }
```

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

```
.background{ background-color: rgb(236, 99,  
236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor