

Converting Colors

CIELCh(68, 64.099, 326.761)

Have a look what the booklet for
CIELCh(68, 64.099, 326.761)
contains.

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Color

CIELCh(68, 64.129, 326.792)

Conversions

Conversions Part 1

Format	Color
Hex	E680E6
RGB	230, 128, 230
RGB Percent	90%, 50%, 90%
CMY	0.0981, 0.4980, 0.0981
CMYK	0.00, 0.44, 0.00, 0.10
HSL	300°, 67%, 70%
HSV	300°, 44%, 90%
XYZ	54.6319, 37.9720, 79.3093
YIQ	170.1260, 28.0500, 53.3460

Conversions

Conversions Part 2

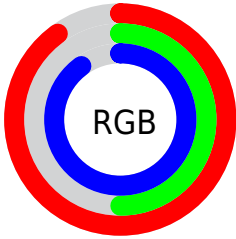
Format	Color
R _Y B	230, 128, 230
Decimal	15106278
CIE Lab	68.00, 53.66, -35.12
CIE LCh	68, 64.129, 326.792
Yxy	37.9720, 0.3178, 0.2209
Android (android.graphics.Color)	4293296358 (0xFFE680E6)
YUV	170.1260, 29.5179, 52.5095
Hunter-Lab	61.6215, 50.4158, -33.1736

Details

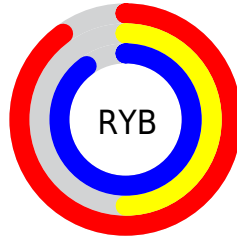
The CIELCh color $68, 64.129, 326.792$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $83, 64.341, 140.937$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $83, 45.110, 325.986$, and $48, 64.151, 326.704$ is the 20% darker color. If you saturate the color by 10%, you get $64, 76.816, 327.234$, and if you desaturate by 10%, it is $73, 50.292, 326.298$.

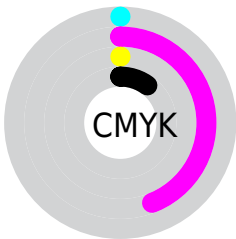
Distribution



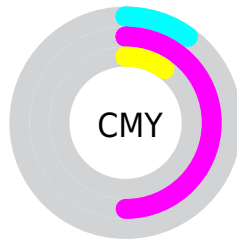
- Red (90%)
- Green (50%)
- Blue (90%)



- Red (90%)
- Yellow (50%)
- Blue (90%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)




- Cyan (10%)
- Magenta (50%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 64.129, 326.792 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 68, 64.129, 326.792 by changing the saturation by 10% instead.


 68, 64.129,
326.792


 68, 64.129,
326.792


 100, 64.129,
326.792

 58, 64.129,
326.792


 88, 64.129,
326.792

 48, 64.129,
326.792

 98, 64.129,
326.792

 38, 64.129,
326.792

 28, 64.129,
326.792

 18, 64.129,
326.792

 8, 64.129, 326.792

 0, 64.129, 326.792

68, 64.129,
326.792

68, 64.129,
326.792

64, 76.816,
327.234

73, 50.292,
326.298

60, 87.792,
327.607

78, 35.809,
325.768

58, 96.505,
327.896

83, 21.068,
325.217

56, 102.561,
328.093

89, 6.349, 324.635

95, 8.157, 144.171


55, 105.885,
328.200

98, 15.600,
143.876

55, 106.891,
328.232

98, 15.600,
143.876

98, 15.600,
143.876

 98, 15.600,
143.875

Harmonies

Complementary

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



68, 64.129, 326.792



83, 64.341, 140.937

Rectangle

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



68, 64.129, 326.792



68, 64.129, 16.792



68, 64.129, 146.792



68, 64.129, 196.792

Sweetspot

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



68, 64.126, 326.792



92, 20.746, 325.146



58, 56.875, 295.798



48, 14.530, 325.270



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 64.126, 326.792



71, 81.691, 327.191



66, 46.830, 347.247



45, 8.306, 324.941



42, 88.428, 328.232



9, 37.108, 328.232

Inverse Universe

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



65, 42.889, 24.083



67, 57.176, 25.913



84, 44.718, 158.267



45, 4.817, 19.934



37, 79.984, 39.971



6, 27.105, 21.757

Previews

White Background



This preview shows how the CIELCh color 68, 64.129, 326.792 looks on a white background.

Color Contrast Check

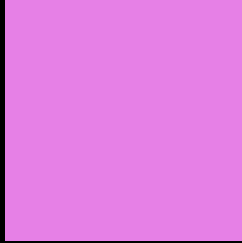
Large Text (above 18pt) WCAG AA × Fail

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 68, 64.129, 326.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

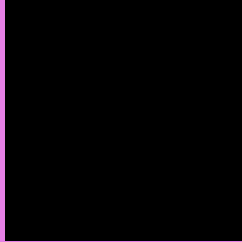
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 64.129, 326.792

Background



This preview shows how black text looks on a background with the CIELCh color 68, 64.129, 326.792.



This preview shows how white text looks on a background with the CIELCh color 68, 64.129, 326.792.

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
68, 30.790, 11.472

Trichromacy



Original Color
68, 64.129, 326.792



Protanomaly
67, 53.438, 301.098



Deuteranomaly
67, 42.587, 306.536



Tritanomaly
68, 39.414, 346.368

Monochromacy



Original Color
68, 64.129, 326.792



Achromatopsia
70, 0.009, 296.813



Achromatomaly
68, 24.471, 325.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 64.129, 326.792 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, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 128, 230)  
}
```

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, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 128, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 64.129, 326.792 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, 128, 230) }
```

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

```
.border{ border-color:rgb(230, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 128,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 64.129, 326.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 128, 230) }
```

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

```
.background{ background-color: rgb(230,  
128, 230) }
```

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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