

Converting Colors

CIELCh(64, 77.524, 326.521)

Have a look what the booklet for
CIELCh(64, 77.524, 326.521)
contains.

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Color

CIELCh(64, 77.430, 326.280)

Conversions

Conversions Part 1

Format	Color
Hex	E56AE9
RGB	229, 106, 233
RGB Percent	90%, 42%, 91%
CMY	0.1024, 0.5847, 0.0867
CMYK	0.02, 0.55, 0.00, 0.09
HSL	298°, 74%, 66%
HSV	298°, 55%, 91%
XYZ	52.1115, 32.8017, 80.5925
YIQ	157.2550, 32.5410, 65.5730

Conversions

Conversions Part 2

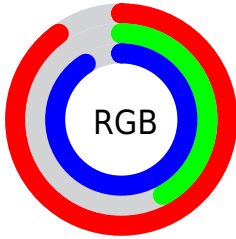
Format	Color
R _{YB}	229, 106, 233
Decimal	15035113
CIE _{Lab}	64.00, 64.40, -42.98
CIE _{LCh}	64, 77.430, 326.280
Yxy	32.8017, 0.3149, 0.1982
Android (android.graphics.Color)	4293225193 (0xFFE56AE9)
YUV	157.2550, 37.3423, 62.9204
Hunter-Lab	57.2727, 62.1867, -43.3402

Details

The CIELCh color **64, 77.430, 326.280** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **83, 77.775, 139.228**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 57.941, 326.417**, and **44, 77.397, 326.307** is the 20% darker color. If you saturate the color by 10%, you get **60, 88.570, 326.616**, and if you desaturate by 10%, it is **68, 64.601, 325.866**.

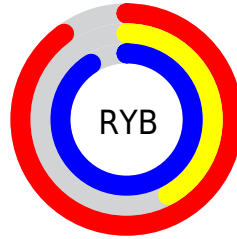
Distribution



Red (90%)

Green (42%)

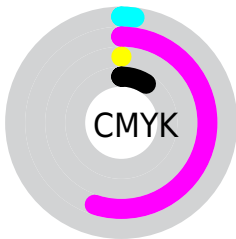
Blue (91%)



Red (90%)

Yellow (42%)

Blue (91%)

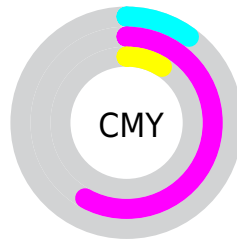


Cyan (2%)

Magenta (55%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (58%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 77.430, 326.280 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, 77.430, 326.280 by changing the saturation by 10% instead.

 64, 77.430,
326.280

 64, 77.430,
326.280

 100, 77.430,
326.280

 54, 77.430,
326.280

 84, 77.430,
326.280

 44, 77.430,
326.280

 94, 77.430,
326.280

 34, 77.430,
326.280

 24, 77.430,
326.280

 14, 77.430,
326.280

 4, 77.430, 326.280

 0, 77.430, 326.280

64, 77.430,
326.280

64, 77.430,
326.280

60, 88.570,
326.616

68, 64.601,
325.866

57, 97.456,
326.855

73, 50.669,
325.395

56, 103.654,
326.984

78, 36.125,
324.887

54, 107.059,
326.999

84, 21.351,
324.356


54, 108.067,
326.973

90, 6.618, 323.797

96, 7.894, 143.353

98, 13.555,
142.606

98, 13.410,
141.709

 98, 13.269,
140.792

Harmonies

Complementary

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



64, 77.430, 326.280



83, 77.775, 139.228

Rectangle

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



64, 77.430, 326.280



64, 77.430, 16.280



64, 77.430, 146.280



64, 77.430, 196.280

Sweetspot

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



64, 77.427, 326.280



90, 25.323, 324.440



52, 70.816, 297.321



47, 17.109, 324.550



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, 77.427, 326.280



66, 95.710, 326.639



62, 57.724, 347.716



46, 8.375, 324.081



42, 89.496, 326.993



9, 38.314, 327.174

Inverse Universe

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



61, 54.192, 23.980



61, 70.793, 26.989



84, 55.282, 156.011



46, 4.905, 17.386



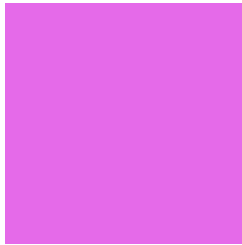
38, 79.453, 38.700



7, 28.400, 21.438

Previews

White Background



This preview shows how the CIELCh color 64, 77.430, 326.280 looks on a white background.

Color Contrast Check

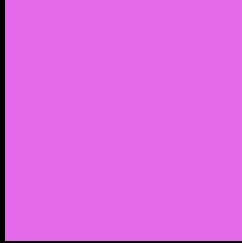
Large Text (above 18pt) WCAG AA × Fail

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, 77.430, 326.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

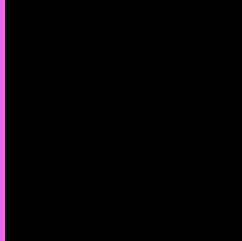
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 77.430, 326.280

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.430, 326.280.



This preview shows how white text looks on a background with the CIELCh color 64, 77.430, 326.280.

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, 35.823, 14.701

Trichromacy



Original Color
64, 77.430, 326.280



Protanomaly
63, 62.995, 301.604



Deuteranomaly
63, 51.264, 305.025



Tritanomaly
63, 46.567, 346.572

Monochromacy



Original Color
64, 77.430, 326.280



Achromatopsia
65, 0.008, 296.813



Achromatomaly
63, 30.937, 324.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.430, 326.280 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(229, 106, 233)` looks like.

```
.text, #text, p{  
    color:rgb(229, 106, 233)  
}
```

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(229, 106, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 106, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.430, 326.280 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(229, 106, 233) }
```

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

```
.border{ border-color:rgb(229, 106, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 106, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 106, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 106, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 106,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.430, 326.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 106, 233) }
```

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

```
.background{ background-color: rgb(229,  
106, 233) }
```

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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