

Converting Colors

CIELCh(65, 77.654, 328.243)

Have a look what the booklet for
CIELCh(65, 77.654, 328.243)
contains.

CIELCh(65, 77.713, 328.198)	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(65, 77.713, 328.198)

Conversions

Conversions Part 1

Format	Color
Hex	EC6AE8
RGB	236, 106, 232
RGB Percent	93%, 42%, 91%
CMY	0.0738, 0.5836, 0.0895
CMYK	0.00, 0.55, 0.02, 0.07
HSL	302°, 78%, 67%
HSV	302°, 55%, 93%
XYZ	54.4190, 34.0472, 80.1838
YIQ	159.2340, 37.0340, 66.7460

Conversions

Conversions Part 2

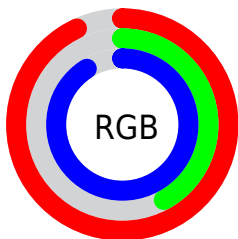
Format	Color
R _Y B	236, 106, 232
Decimal	15493864
CIE Lab	65.00, 66.05, -40.95
CIE LCh	65, 77.713, 328.198
Yxy	34.0472, 0.3227, 0.2019
Android (android.graphics.Color)	4293683944 (0xFFEC6AE8)
YUV	159.2340, 35.8736, 67.3238
Hunter-Lab	58.3500, 64.3624, -40.6306

Details

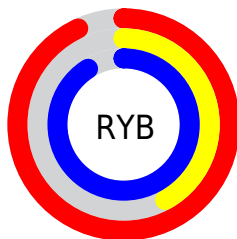
The CIELCh color **65, 77.713, 328.198** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **84, 78.436, 140.510**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 57.340, 326.397**, and **45, 77.937, 328.105** is the 20% darker color. If you saturate the color by 10%, you get **61, 88.526, 328.612**, and if you desaturate by 10%, it is **69, 65.116, 327.726**.

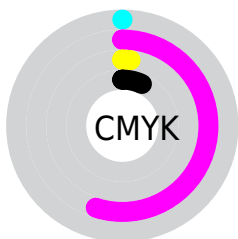
Distribution



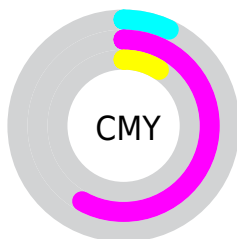
- Red (93%)
- Green (42%)
- Blue (91%)



- Red (93%)
- Yellow (42%)
- Blue (91%)



- Cyan (0%)
- Magenta (55%)
- Yellow (2%)
- Black (7%)





- Cyan (7%)
- Magenta (58%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 77.713, 328.198 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 65, 77.713, 328.198 by changing the saturation by 10% instead.

 65, 77.713,
328.198


 65, 77.713,
328.198

 100, 77.713,
328.198

 55, 77.713,
328.198


 85, 77.713,
328.198


 45, 77.713,
328.198

 95, 77.713,
328.198

 35, 77.713,
328.198

 25, 77.713,
328.198

 15, 77.713,
328.198

 5, 77.713, 328.198

 0, 77.713, 328.198

65, 77.713,
328.198

65, 77.713,
328.198

61, 88.526,
328.612

69, 65.116,
327.726

59, 96.999,
328.957

74, 51.328,
327.209

57, 102.734,
329.229

79, 36.860,
326.663

56, 105.676,
329.432

85, 22.111,
326.100

56, 106.416,
329.516

90, 7.372, 325.513

96, 7.162, 145.044

98, 11.259,
145.622

98, 10.959,
146.752

■ 98, 10.663,
147.944

Harmonies

Complementary

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



65, 77.713, 328.198



84, 78.436, 140.510

Rectangle

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



65, 77.713, 328.198



65, 77.713, 18.198



65, 77.713, 148.198



65, 77.713, 198.198

Sweetspot

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



65, 77.710, 328.198



90, 26.609, 326.216



51, 75.056, 298.981



46, 17.807, 326.330



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 77.710, 328.198



66, 95.062, 328.659



63, 57.404, 350.946



46, 8.282, 325.779



43, 87.236, 329.493



9, 37.488, 329.304

Inverse Universe

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



65, 77.710, 328.198



66, 95.062, 328.659



85, 53.958, 158.460



46, 8.282, 325.779



43, 87.236, 329.493



9, 37.488, 329.304

Previews

White Background



This preview shows how the CIELCh color 65, 77.713, 328.198 looks on a white background.

Color Contrast Check

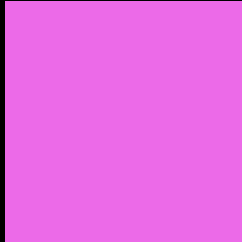
Large Text (above 18pt) WCAG AA × Fail

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 65, 77.713, 328.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

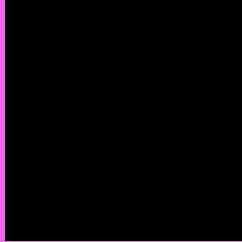
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 77.713, 328.198

Background



This preview shows how black text looks on a background with the CIELCh color 65, 77.713, 328.198.

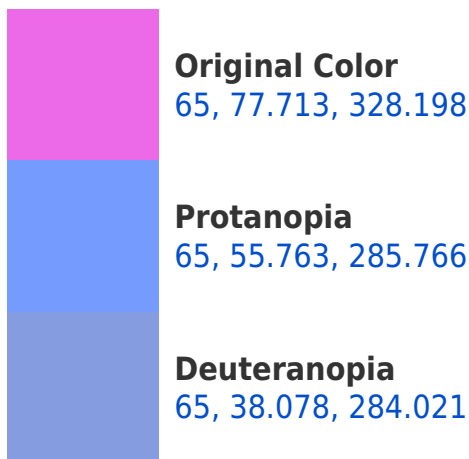


This preview shows how white text looks on a background with the CIELCh color 65, 77.713, 328.198.

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
65, 39.073, 15.843

Trichromacy



Original Color
65, 77.713, 328.198



Protanomaly
63, 61.856, 302.670



Deuteranomaly
64, 50.907, 306.891



Tritanomaly
64, 48.790, 349.203

Monochromacy



Original Color
65, 77.713, 328.198



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 30.799, 326.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 77.713, 328.198 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, 106, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 106, 232)  
}
```

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, 106, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 106, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 77.713, 328.198 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, 106, 232) }
```

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

```
.border{ border-color:rgb(236, 106, 232) }
```

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

Here you see how a box with a 4 pixel rgb(236, 106, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 106, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 106, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 106,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 77.713, 328.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 106, 232) }
```

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

```
.background{ background-color: rgb(236,  
106, 232) }
```

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