

Converting Colors

CIELCh(72, 104.389, 314.485)

Have a look what the booklet for
CIELCh(72, 104.389, 314.485)
contains.

CIELCh(69, 77.528, 322.216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 77.528, 322.216)

Conversions

Conversions Part 1

Format	Color
Hex	EA7CFF
RGB	234, 124, 255
RGB Percent	92%, 49%, 100%
CMY	0.0805, 0.5120, 0.0000
CMYK	0.08, 0.51, 0.00, 0.00
HSL	291°, 100%, 74%
HSV	291°, 51%, 100%
XYZ	59.4702, 39.3444, 99.4546
YIQ	171.8240, 23.5090, 64.0610

Conversions

Conversions Part 2

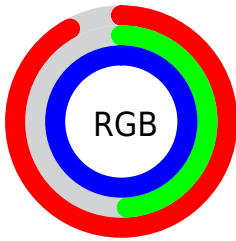
Format	Color
R _Y B	234, 124, 255
Decimal	15367423
CIE Lab	69.00, 61.27, -47.50
CIE LCh	69, 77.528, 322.216
Yxy	39.3444, 0.2999, 0.1984
Android (android.graphics.Color)	4293557503 (0xFFEA7CFF)
YUV	171.8240, 41.0058, 54.5284
Hunter-Lab	62.7251, 59.4683, -50.1005

Details

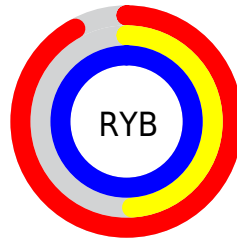
The CIELCh color $69, 77.528, 322.216$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $91, 76.336, 136.819$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $82, 46.967, 326.049$, and $49, 77.524, 322.221$ is the 20% darker color. If you saturate the color by 10%, you get $64, 90.342, 322.580$, and if you desaturate by 10%, it is $74, 62.975, 321.936$.

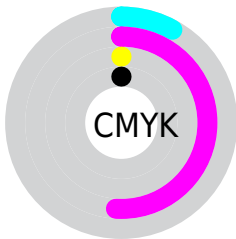
Distribution



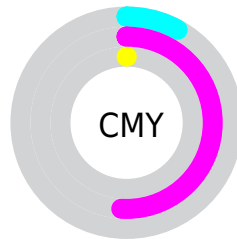
- Red (92%)
- Green (49%)
- Blue (100%)



- Red (92%)
- Yellow (49%)
- Blue (100%)



- Cyan (8%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 77.528, 322.216 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 69, 77.528, 322.216 by changing the saturation by 10% instead.

 69, 77.528,
322.216


 69, 77.528,
322.216


 100, 77.528,
322.216


 59, 77.528,
322.216


 89, 77.528,
322.216

 49, 77.528,
322.216

 99, 77.528,
322.216

 39, 77.528,
322.216

 29, 77.528,
322.216

 19, 77.528,
322.216

 9, 77.528, 322.216

 0, 77.528, 322.216

69, 77.528,
322.216

69, 77.528,
322.216

64, 90.342,
322.580

74, 62.975,
321.936

60, 101.341,
322.725

80, 47.873,
321.509

57, 109.658,
322.700

86, 32.460,
321.050

55, 114.862,
322.473

93, 17.042,
320.576

54, 117.133,
322.119

99, 1.820, 319.984

100, 0.012,
296.813

Harmonies

Complementary

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



69, 77.528, 322.216



91, 76.336, 136.819

Rectangle

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



69, 77.528, 322.216



69, 77.528, 12.216



69, 77.528, 142.216



69, 77.528, 192.216

Sweetspot

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



69, 77.325, 322.304



90, 22.884, 320.757



63, 60.654, 290.919



47, 15.634, 320.857



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 77.325, 322.304



64, 90.097, 322.576



70, 63.557, 339.968



50, 8.638, 320.494



40, 94.311, 322.218



10, 43.288, 322.912

Inverse Universe

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



68, 53.054, 13.869



63, 63.560, 16.502



91, 62.816, 150.608



50, 5.357, 7.365



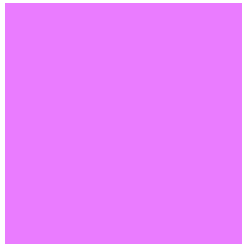
40, 77.105, 32.607



10, 32.237, 20.710

Previews

White Background



This preview shows how the CIELCh color 69, 77.528, 322.216 looks on a white background.

Color Contrast Check

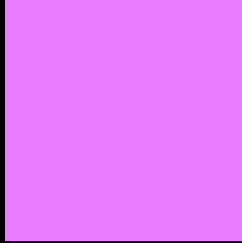
Large Text (above 18pt) WCAG AA × Fail

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 69, 77.528, 322.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

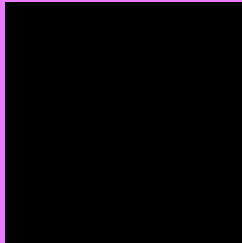
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 77.528, 322.216

Background



This preview shows how black text looks on a background with the CIELCh color 69, 77.528, 322.216.

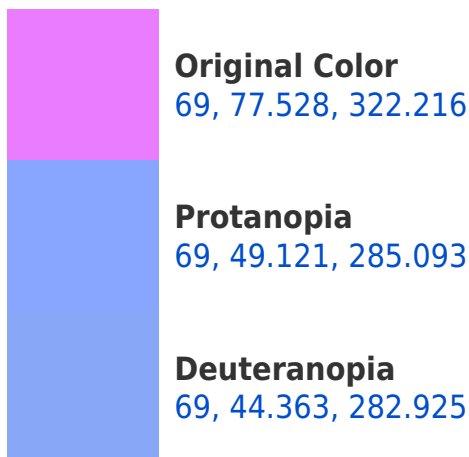


This preview shows how white text looks on a background with the CIELCh color 69, 77.528, 322.216.

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
69, 29.494, 10.805

Trichromacy



Original Color
69, 77.528, 322.216



Protanomaly
68, 57.726, 301.756



Deuteranomaly
68, 54.445, 301.637

Tritanomaly
68, 43.213, 340.339

Monochromacy



Original Color
69, 77.528, 322.216



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 29.570, 321.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 77.528, 322.216 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(234, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 124, 255)  
}
```

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(234, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 124, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 77.528, 322.216 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(234, 124, 255) }
```

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

```
.border{ border-color:rgb(234, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 124,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 77.528, 322.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 124, 255) }
```

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

```
.background{ background-color: rgb(234,  
124, 255) }
```

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