

Converting Colors

CIELCh(74, 86.957, 314.085)

Have a look what the booklet for
CIELCh(74, 86.957, 314.085)
contains.

CIELCh(72, 67.004, 320.632)	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(72, 67.004, 320.632)

Conversions

Conversions Part 1

Format	Color
Hex	E88EFF
RGB	232, 142, 255
RGB Percent	91%, 56%, 100%
CMY	0.0907, 0.4436, 0.0005
CMYK	0.09, 0.44, 0.00, 0.00
HSL	288°, 100%, 78%
HSV	288°, 44%, 100%
XYZ	60.9247, 43.6590, 99.7203
YIQ	181.7920, 17.3670, 54.2230

Conversions

Conversions Part 2

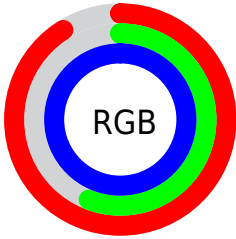
Format	Color
RYB	232, 142, 255
Decimal	15240959
CIELab	72.00, 51.80, -42.50
CIELCh	72, 67.004, 320.632
Yxy	43.6590, 0.2982, 0.2137
Android (android.graphics.Color)	4293431039 (0xFFE88EFF)
YUV	181.7920, 36.0915, 44.0324
Hunter-Lab	66.0750, 48.9555, -43.2279

Details

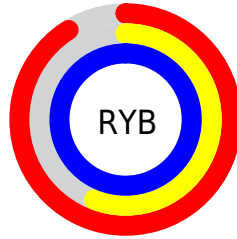
The CIELCh color $72, 67.004, 320.632$ is a light color, and the websafe version is hex `FF99FF`. A complement of this color would be $92, 65.751, 136.157$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 35.751, 325.667$, and $52, 66.816, 320.446$ is the 20% darker color. If you saturate the color by 10%, you get $67, 81.085, 320.965$, and if you desaturate by 10%, it is $78, 52.102, 320.230$.

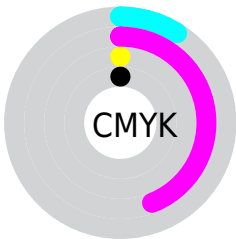
Distribution



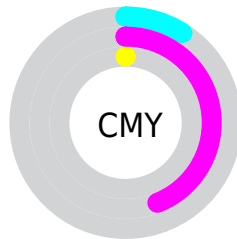
- Red (91%)
- Green (56%)
- Blue (100%)



- Red (91%)
- Yellow (56%)
- Blue (100%)



- Cyan (9%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (44%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 67.004, 320.632 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 72, 67.004, 320.632 by changing the saturation by 10% instead.


 72, 67.004,
320.632


 72, 67.004,
320.632


 100, 67.004,
320.632


 62, 67.004,
320.632


 92, 67.004,
320.632

 52, 67.004,
320.632

 42, 67.004,
320.632

 32, 67.004,
320.632

 22, 67.004,
320.632

 12, 67.004,
320.632

 2, 67.004, 320.632

■ 0, 67.004, 320.632

■ 72, 67.004,
320.632

■ 72, 67.004,
320.632

■ 67, 81.085,
320.965

■ 78, 52.102,
320.230

■ 62, 93.741,
321.188

■ 84, 36.851,
319.790

■ 58, 104.253,
321.255

■ 91, 21.568,
319.333

■ 55, 111.946,
321.117

■ 97, 6.462, 318.858

■ 53, 116.443,
320.740

100, 0.050,
108.636

■ 52, 117.859,
320.439

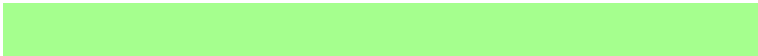
Harmonies

Complementary

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



72, 67.004, 320.632



92, 65.751, 136.157

Rectangle

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



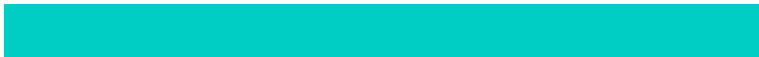
72, 67.004, 320.632



72, 67.004, 10.632



72, 67.004, 140.632



72, 67.004, 190.632

Sweetspot

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



72, 67.002, 320.632



91, 19.552, 319.272



70, 48.667, 286.650



47, 13.706, 319.373



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 67.002, 320.632



67, 79.310, 320.926



73, 57.577, 336.960



50, 8.525, 319.110



39, 94.913, 320.563



10, 43.512, 321.430

Inverse Universe

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



72, 45.585, 8.843



67, 54.890, 10.768



92, 57.110, 149.593



50, 5.436, 3.815



40, 74.771, 29.329



10, 31.963, 18.555

Previews

White Background



This preview shows how the CIELCh color 72, 67.004, 320.632 looks on a white background.

Color Contrast Check

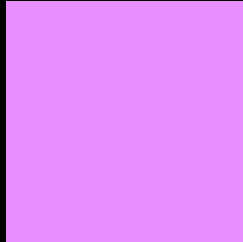
Large Text (above 18pt) WCAG AA × Fail

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 72, 67.004, 320.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

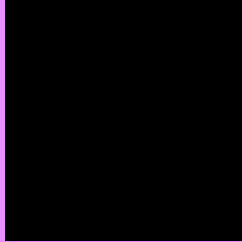
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 67.004, 320.632

Background



This preview shows how black text looks on a background with the CIELCh color 72, 67.004, 320.632.

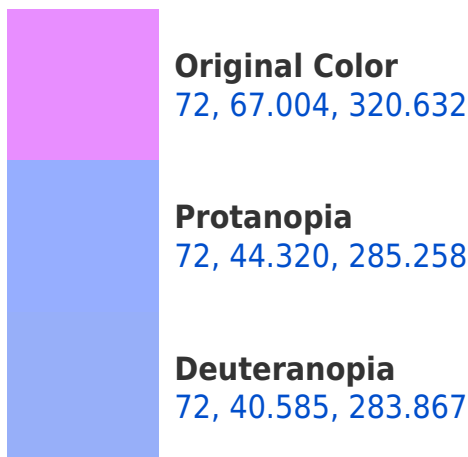


This preview shows how white text looks on a background with the CIELCh color 72, 67.004, 320.632.

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
72, 24.233, 4.965

Trichromacy



Original Color
72, 67.004, 320.632



Protanomaly
71, 51.193, 301.003



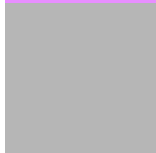
Deuteranomaly
71, 48.454, 300.830

Tritanomaly
72, 37.199, 336.418

Monochromacy



Original Color
72, 67.004, 320.632



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 25.777, 319.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 67.004, 320.632 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(232, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 142, 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(232, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 142, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 67.004, 320.632 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(232, 142, 255) }
```

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

```
.border{ border-color:rgb(232, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 142, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 142, 255); box-shadow:4px 4px 4px 4px rgb(232, 142, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 67.004, 320.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 142, 255) }
```

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

```
.background{ background-color: rgb(232,  
142, 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](#).

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