

Converting Colors

CIELCh(72, 66.590, 316.491)

Have a look what the booklet for
CIELCh(72, 66.590, 316.491)
contains.

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Color

CIELCh(72, 63.648, 317.479)

Conversions

Conversions Part 1

Format	Color
Hex	DF93FF
RGB	223, 147, 255
RGB Percent	87%, 58%, 100%
CMY	0.1267, 0.4249, 0.0000
CMYK	0.13, 0.42, 0.00, 0.00
HSL	282°, 100%, 79%
HSV	282°, 42%, 100%
XYZ	58.8752, 43.6590, 100.5181
YIQ	182.0360, 10.6280, 49.7000

Conversions

Conversions Part 2

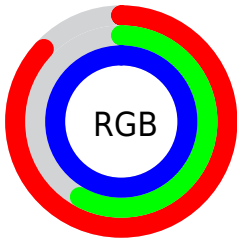
Format	Color
R_{YB}	223, 147, 255
Decimal	14652415
CIE _{Lab}	72.00, 46.91, -43.02
CIE _{LCh}	72, 63.648, 317.479
Yxy	43.6590, 0.2900, 0.2150
Android (android.graphics.Color)	4292842495 (0xFFDF93FF)
YUV	182.0360, 35.9713, 35.9254
Hunter-Lab	66.0750, 43.4187, -43.9438

Details

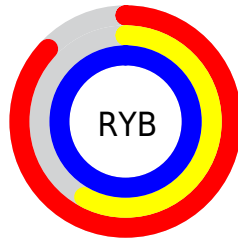
The CIELCh color $72, 63.648, 317.479$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $93, 61.365, 133.632$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $87, 33.240, 325.581$, and $52, 63.341, 317.652$ is the 20% darker color. If you saturate the color by 10%, you get $66, 77.755, 317.971$, and if you desaturate by 10%, it is $78, 48.367, 317.197$.

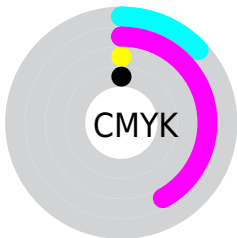
Distribution



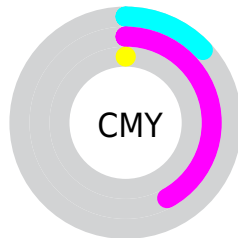
- Red (87%)
- Green (58%)
- Blue (100%)



- Red (87%)
- Yellow (58%)
- Blue (100%)



- Cyan (13%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (42%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 63.648, 317.479 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, 63.648, 317.479 by changing the saturation by 10% instead.


 72, 63.648,
317.479


 72, 63.648,
317.479


 100, 63.648,
317.479


 62, 63.648,
317.479


 92, 63.648,
317.479

 52, 63.648,
317.479

 42, 63.648,
317.479

 32, 63.648,
317.479

 22, 63.648,
317.479

 12, 63.648,
317.479

 2, 63.648, 317.479

■ 0, 63.648, 317.479

■ 72, 63.648,
317.479

■ 72, 63.648,
317.479

■ 66, 77.755,
317.971

■ 78, 48.367,
317.197

■ 61, 91.118,
318.224

■ 85, 33.283,
316.756

■ 56, 102.685,
318.315

■ 91, 18.317,
316.310

■ 52, 111.662,
318.174

■ 98, 3.621, 315.835

■ 49, 117.428,
317.740

100, 0.012,
296.813

■ 48, 119.839,
317.235

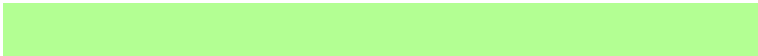
Harmonies

Complementary

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



72, 63.648, 317.479



93, 61.365, 133.632

Rectangle

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



72, 63.648, 317.479



72, 63.648, 7.479



72, 63.648, 137.479



72, 63.648, 187.479

Sweetspot

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



72, 63.319, 317.613



91, 19.072, 316.333



73, 41.767, 280.957



47, 13.375, 316.431



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, 63.319, 317.613



67, 75.654, 317.923



75, 58.548, 333.355



50, 8.311, 316.177



36, 96.430, 317.399



8, 44.079, 318.560

Inverse Universe

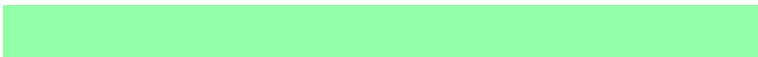
The Inverse Universe completely reimagines the original color for something new.



73, 44.418, 1.456



68, 53.344, 3.145



92, 58.449, 146.897



50, 5.661, 356.941



40, 70.746, 21.427



10, 31.468, 12.877

Previews

White Background



This preview shows how the CIELCh color 72, 63.648, 317.479 looks on a white background.

Color Contrast Check

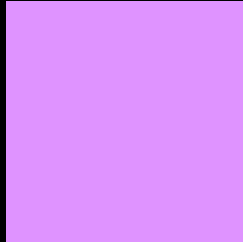
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 63.648, 317.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

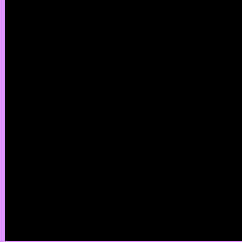
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 63.648, 317.479

Background



This preview shows how black text looks on a background with the CIELCh color 72, 63.648, 317.479.

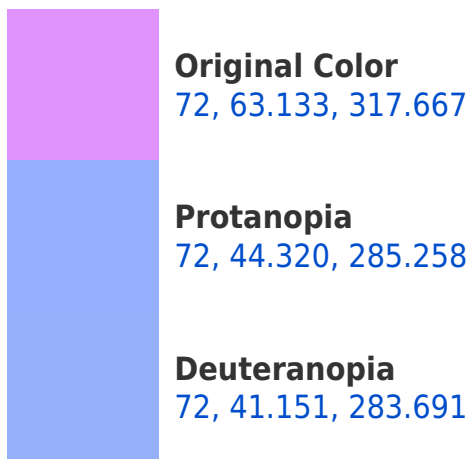


This preview shows how white text looks on a background with the CIELCh color 72, 63.648, 317.479.

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, 19.316, 359.915

Trichromacy



Original Color
72, 63.133, 317.667



Protanomaly
72, 49.886, 298.953



Deuteranomaly
72, 47.677, 298.628

Tritanomaly
72, 32.738, 331.333

Monochromacy



Original Color
72, 63.133, 317.667



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 24.017, 316.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 63.648, 317.479 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(223, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 147, 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(223, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 147, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 63.648, 317.479 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(223, 147, 255) }
```

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

```
.border{ border-color:rgb(223, 147, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 147, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 147,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 63.648, 317.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 147, 255) }
```

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

```
.background{ background-color: rgb(223,  
147, 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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