

Converting Colors

CIELCh(75, 112.451, 306.645)

Have a look what the booklet for
CIELCh(75, 112.451, 306.645)
contains.

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Color

CIELCh(70, 64.281, 313.563)

Conversions

Conversions Part 1

Format	Color
Hex	D090FF
RGB	208, 144, 255
RGB Percent	82%, 56%, 100%
CMY	0.1833, 0.4346, 0.0000
CMYK	0.18, 0.43, 0.00, 0.00
HSL	275°, 100%, 78%
HSV	275°, 43%, 100%
XYZ	54.3423, 40.7494, 100.6942
YIQ	175.7900, 2.5130, 48.0890

Conversions

Conversions Part 2

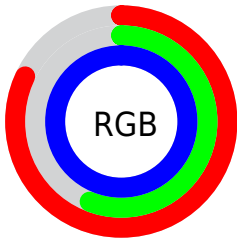
Format	Color
R _Y B	208, 144, 255
Decimal	13668607
CIE Lab	70.00, 44.30, -46.58
CIE LCh	70, 64.281, 313.563
Yxy	40.7494, 0.2776, 0.2081
Android (android.graphics.Color)	4291858687 (0xFFD090FF)
YUV	175.7900, 39.0505, 28.2482
Hunter-Lab	63.8353, 40.2435, -48.8398

Details

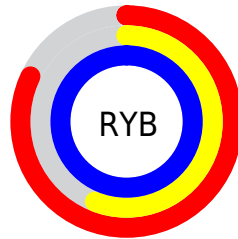
The CIELCh color `70, 64.281, 313.563` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `94, 60.465, 129.713`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `87, 35.124, 325.645`, and `50, 63.785, 313.785` is the 20% darker color. If you saturate the color by 10%, you get `64, 78.267, 314.189`, and if you desaturate by 10%, it is `77, 48.731, 313.284`.

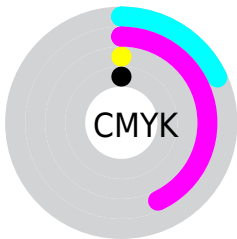
Distribution



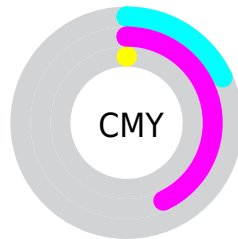
- Red (82%)
- Green (56%)
- Blue (100%)



- Red (82%)
- Yellow (56%)
- Blue (100%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (43%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 64.281, 313.563 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 70, 64.281, 313.563 by changing the saturation by 10% instead.


 70, 64.281,
313.563


 70, 64.281,
313.563


 100, 64.281,
313.563


 60, 64.281,
313.563


 90, 64.281,
313.563

 50, 64.281,
313.563

 40, 64.281,
313.563

 30, 64.281,
313.563

 20, 64.281,
313.563

 10, 64.281,
313.563

 0, 64.281, 313.563

70, 64.281,
313.563

70, 64.281,
313.563

64, 78.267,
314.189

77, 48.731,
313.284

58, 92.057,
314.521

84, 33.845,
312.800

52, 104.270,
314.678

90, 19.190,
312.330

48, 113.987,
314.566

98, 4.875, 311.865

45, 120.385,
314.091

100, 0.012,
296.813

43, 122.924,
313.605

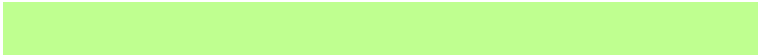
Harmonies

Complementary

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



70, 64.281, 313.563



94, 60.465, 129.713

Rectangle

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



70, 64.281, 313.563



70, 64.281, 3.563



70, 64.281, 133.563



70, 64.281, 183.563

Sweetspot

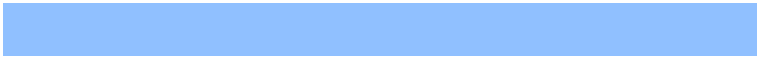
The Sweet Spot groups the original color and five complimentary colors.



70, 63.650, 313.758



91, 18.523, 312.309



77, 35.880, 270.208



47, 12.997, 312.411



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 63.650, 313.758



64, 76.169, 314.131



75, 65.431, 328.752



49, 8.065, 312.149



32, 98.854, 313.797



7, 44.742, 315.057

Inverse Universe

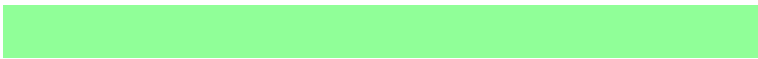
The Inverse Universe completely reimagines the original color for something new.



73, 47.567, 353.067



68, 56.458, 354.529



92, 65.646, 142.765



50, 6.068, 348.905



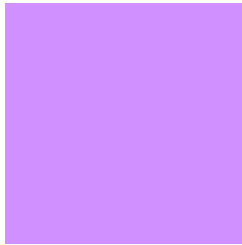
41, 68.113, 9.694



10, 31.358, 2.951

Previews

White Background



This preview shows how the CIELCh color 70, 64.281, 313.563 looks on a white background.

Color Contrast Check

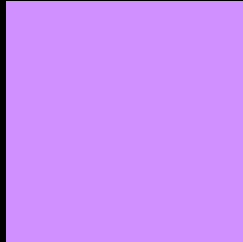
Large Text (above 18pt) WCAG AA × Fail

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 70, 64.281, 313.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

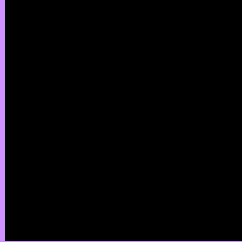
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 64.281, 313.563

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.281, 313.563.



This preview shows how white text looks on a background with the CIELCh color 70, 64.281, 313.563.

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



Original Color
70, 63.739, 313.708

Protanopia
70, 47.866, 285.558

Deuteranopia
70, 44.276, 282.470



Tritanopia
70, 14.440, 351.365

Trichromacy



Original Color
70, 63.739, 313.708



Protanomaly
69, 52.749, 297.080



Deuteranomaly
70, 49.930, 295.933

Tritanomaly
70, 30.677, 323.333

Monochromacy



Original Color
70, 63.739, 313.708



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 24.104, 312.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.281, 313.563 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(208, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 144, 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(208, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 144, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.281, 313.563 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(208, 144, 255) }
```

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

```
.border{ border-color:rgb(208, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 144, 255); box-shadow:4px 4px 4px 4px rgb(208, 144, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.281, 313.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 144, 255) }
```

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

```
.background{ background-color: rgb(208,  
144, 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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