

Converting Colors

CIELCh(64, 81.400, 317.556)

Have a look what the booklet for
CIELCh(64, 81.400, 317.556)
contains.

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Color

CIELCh(64, 81.022, 317.551)

Conversions

Conversions Part 1

Format	Color
Hex	D272FE
RGB	210, 114, 254
RGB Percent	82%, 45%, 100%
CMY	0.1773, 0.5537, 0.0048
CMYK	0.17, 0.55, 0.00, 0.00
HSL	281°, 98%, 72%
HSV	281°, 55%, 100%
XYZ	50.3668, 32.8017, 97.2621
YIQ	158.6640, 12.2760, 63.8920

Conversions

Conversions Part 2

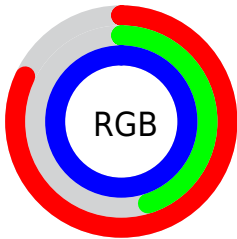
Format	Color
R _Y B	210, 114, 254
Decimal	13791998
CIE _{Lab}	64.00, 59.78, -54.68
CIE _{LCh}	64, 81.022, 317.551
Y _{xy}	32.8017, 0.2791, 0.1818
Android (android.graphics.Color)	4291982078 (0xFFD272FE)
YUV	158.6640, 47.0006, 45.0217
Hunter-Lab	57.2727, 56.7493, -60.5970

Details

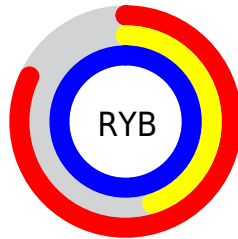
The CIELCh color **64, 81.022, 317.551** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **91, 77.686, 132.491**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 53.712, 326.276**, and **44, 81.440, 317.459** is the 20% darker color. If you saturate the color by 10%, you get **59, 94.012, 317.774**, and if you desaturate by 10%, it is **70, 66.824, 317.210**.

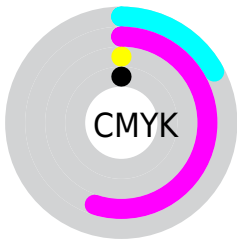
Distribution



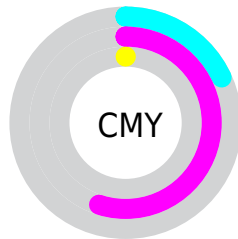
- Red (82%)
- Green (45%)
- Blue (100%)



- Red (82%)
- Yellow (45%)
- Blue (100%)



- Cyan (17%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 81.022, 317.551 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 64, 81.022, 317.551 by changing the saturation by 10% instead.


 64, 81.022,
317.551


 64, 81.022,
317.551


 100, 81.022,
317.551


 54, 81.022,
317.551


 84, 81.022,
317.551

 44, 81.022,
317.551

 94, 81.022,
317.551

 34, 81.022,
317.551

 24, 81.022,
317.551

 14, 81.022,
317.551

 4, 81.022, 317.551

 0, 81.022, 317.551

64, 81.022,
317.551

64, 81.022,
317.551

59, 94.012,
317.774

70, 66.824,
317.210

54, 105.042,
317.814

76, 52.019,
316.801

51, 113.313,
317.599

83, 37.024,
316.361

48, 118.285,
317.069

89, 22.111,
315.914

47, 119.775,
316.726

96, 7.445, 315.465

100, 0.605,
110.005

Harmonies

Complementary

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



64, 81.022, 317.551



91, 77.686, 132.491

Rectangle

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



64, 81.022, 317.551



64, 81.022, 7.551



64, 81.022, 137.551



64, 81.022, 187.551

Sweetspot

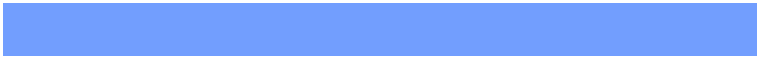
The Sweet Spot groups the original color and five complimentary colors.



64, 81.020, 317.551



88, 24.940, 315.997



66, 53.546, 283.051



46, 16.714, 316.086



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 81.020, 317.551



59, 95.393, 317.786



68, 74.455, 333.608



49, 8.277, 315.663



35, 96.723, 316.892



8, 44.189, 318.094

Inverse Universe

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



66, 57.495, 2.881



62, 67.776, 5.781



90, 75.082, 144.772



50, 5.707, 355.828



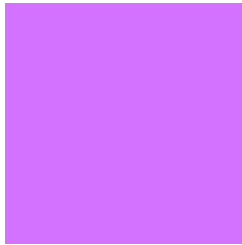
40, 70.214, 19.958



10, 31.406, 11.728

Previews

White Background



This preview shows how the CIELCh color 64, 81.022, 317.551 looks on a white background.

Color Contrast Check

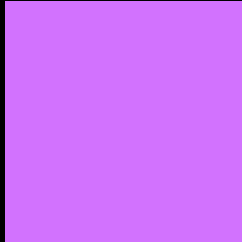
Large Text (above 18pt) WCAG AA × Fail

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 64, 81.022, 317.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

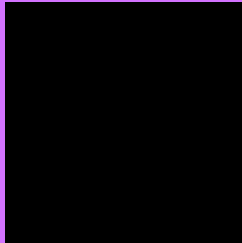
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 81.022, 317.551

Background



This preview shows how black text looks on a background with the CIELCh color 64, 81.022, 317.551.

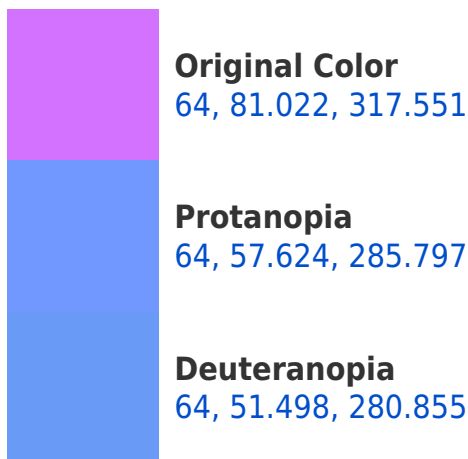


This preview shows how white text looks on a background with the CIELCh color 64, 81.022, 317.551.

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
64, 22.275, 5.983

Trichromacy



Original Color
64, 81.022, 317.551



Protanomaly
63, 65.399, 299.054



Deuteranomaly
63, 60.925, 297.083



Tritanomaly
63, 40.724, 331.737

Monochromacy



Original Color
64, 81.022, 317.551



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 31.160, 316.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 81.022, 317.551 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(210, 114, 254)` looks like.

```
.text, #text, p{  
    color:rgb(210, 114, 254)  
}
```

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(210, 114, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 114, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 81.022, 317.551 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(210, 114, 254) }
```

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

```
.border{ border-color:rgb(210, 114, 254) }
```

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

Here you see how a box with a 4 pixel rgb(210, 114, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 114, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 114, 254);  
box-shadow:4px 4px 4px 4px rgb(210, 114,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 81.022, 317.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 114, 254) }
```

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

```
.background{ background-color: rgb(210,  
114, 254) }
```

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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