

Converting Colors

CIELCh(62, 89.292, 316.204)

Have a look what the booklet for
CIELCh(62, 89.292, 316.204)
contains.

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Color

CIELCh(62, 86.692, 316.941)

Conversions

Conversions Part 1

Format	Color
Hex	CD69FF
RGB	205, 105, 255
RGB Percent	80%, 41%, 100%
CMY	0.1956, 0.5880, 0.0000
CMYK	0.20, 0.59, 0.00, 0.00
HSL	280°, 100%, 71%
HSV	280°, 59%, 100%
XYZ	48.4995, 30.4025, 98.8711
YIQ	152.0000, 11.4500, 67.8500

Conversions

Conversions Part 2

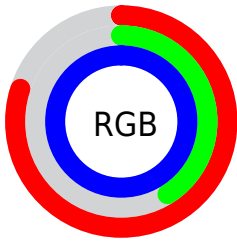
Format	Color
R _Y B	205, 105, 255
Decimal	13462015
CIE Lab	62.00, 63.34, -59.19
CIE LCh	62, 86.692, 316.941
Yxy	30.4025, 0.2728, 0.1710
Android (android.graphics.Color)	4291652095 (0xFFCD69FF)
YUV	152.0000, 50.7790, 46.4810
Hunter-Lab	55.1385, 60.5151, -67.7184

Details

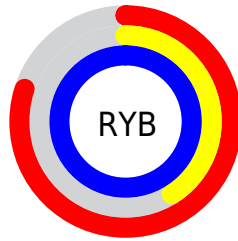
The CIELCh color **62, 86.692, 316.941** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **91, 82.115, 131.807**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 59.138, 326.457**, and **42, 85.954, 317.115** is the 20% darker color. If you saturate the color by 10%, you get **57, 98.690, 317.261**, and if you desaturate by 10%, it is **68, 72.218, 316.775**.

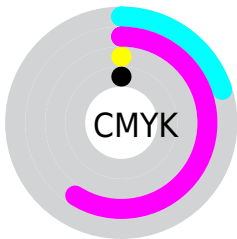
Distribution



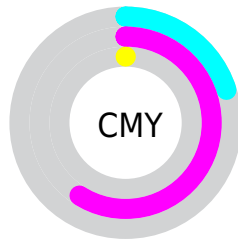
- Red (80%)
- Green (41%)
- Blue (100%)



- Red (80%)
- Yellow (41%)
- Blue (100%)



- Cyan (20%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (59%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 86.692, 316.941 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 62, 86.692, 316.941 by changing the saturation by 10% instead.


 62, 86.692,
316.941


 62, 86.692,
316.941


 100, 86.692,
316.941


 52, 86.692,
316.941


 82, 86.692,
316.941

 42, 86.692,
316.941

 92, 86.692,
316.941

 32, 86.692,
316.941

 22, 86.692,
316.941

 12, 86.692,
316.941

 2, 86.692, 316.941

 0, 86.692, 316.941

62, 86.692,
316.941

62, 86.692,
316.941

57, 98.690,
317.261

68, 72.218,
316.775

52, 108.977,
317.221

74, 57.503,
316.378

49, 116.251,
316.893

80, 42.498,
315.940

47, 120.262,
316.241

87, 27.515,
315.491

47, 120.647,
316.156

94, 12.746,
315.046

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.



62, 86.692, 316.941



91, 82.115, 131.807

Rectangle

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



62, 86.692, 316.941



62, 86.692, 6.941



62, 86.692, 136.941



62, 86.692, 186.941

Sweetspot

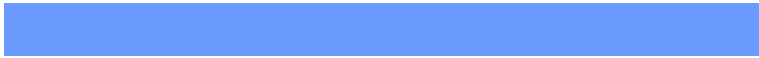
The Sweet Spot groups the original color and five complimentary colors.



62, 86.167, 317.088



88, 26.319, 315.455



65, 56.179, 282.927



45, 18.340, 315.586



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 86.167, 317.088



56, 101.171, 317.273



67, 79.615, 333.200



49, 8.238, 315.077



35, 97.064, 316.331



8, 44.314, 317.575

Inverse Universe

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



65, 61.457, 2.397



60, 71.931, 5.926



90, 80.693, 143.755



50, 5.762, 354.589



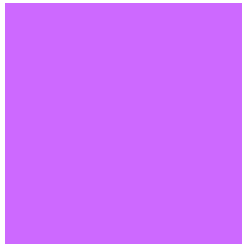
40, 69.676, 18.263



10, 31.349, 10.362

Previews

White Background



This preview shows how the CIELCh color 62, 86.692, 316.941 looks on a white background.

Color Contrast Check

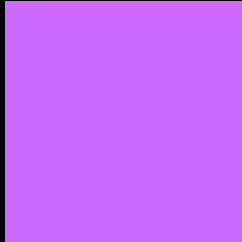
Large Text (above 18pt) WCAG AA × Fail

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 62, 86.692, 316.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

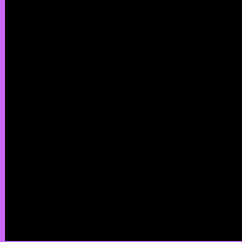
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 86.692, 316.941

Background



This preview shows how black text looks on a background with the CIELCh color 62, 86.692, 316.941.



This preview shows how white text looks on a background with the CIELCh color 62, 86.692, 316.941.

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
62, 22.024, 5.736

Trichromacy



Original Color
62, 86.190, 317.066



Protanomaly
61, 69.683, 299.166



Deuteranomaly
61, 64.634, 296.125



Tritanomaly
61, 42.552, 329.829

Monochromacy



Original Color
62, 86.190, 317.066



Achromatopsia
63, 0.008, 296.813



Achromatomaly
61, 33.033, 315.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 86.692, 316.941 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(205, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 105, 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(205, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 105, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 86.692, 316.941 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(205, 105, 255) }
```

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

```
.border{ border-color:rgb(205, 105, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 105,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 86.692, 316.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 105, 255) }
```

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

```
.background{ background-color: rgb(205,  
105, 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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