

Converting Colors

CIELCh(68, 65.299, 310.964)

Have a look what the booklet for
CIELCh(68, 65.299, 310.964)
contains.

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Color

CIELCh(68, 64.886, 311.078)

Conversions

Conversions Part 1

Format	Color
Hex	C58DFF
RGB	197, 141, 255
RGB Percent	77%, 55%, 100%
CMY	0.2288, 0.4483, 0.0014
CMYK	0.23, 0.45, 0.00, 0.00
HSL	269°, 99%, 78%
HSV	269°, 45%, 100%
XYZ	50.4014, 37.9720, 98.9751
YIQ	170.7400, -3.2180, 47.3260

Conversions

Conversions Part 2

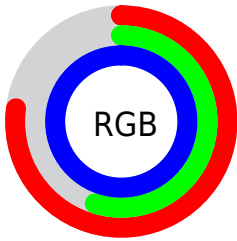
Format	Color
RYB	197, 141, 255
Decimal	12946943
CIELab	68.00, 42.64, -48.91
CIELCh	68, 64.886, 311.078
Yxy	37.9720, 0.2690, 0.2027
Android (android.graphics.Color)	4291137023 (0xFFC58DFF)
YUV	170.7400, 41.5402, 23.0300
Hunter-Lab	61.6215, 38.1612, -52.0953

Details

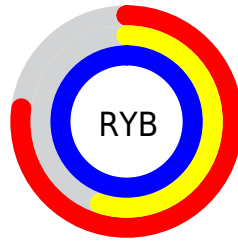
The CIELCh color `68, 64.886, 311.078` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `94, 60.639, 126.642`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `86, 37.005, 325.710`, and `48, 65.227, 311.163` is the 20% darker color. If you saturate the color by 10%, you get `61, 79.630, 311.609`, and if you desaturate by 10%, it is `75, 49.961, 310.518`.

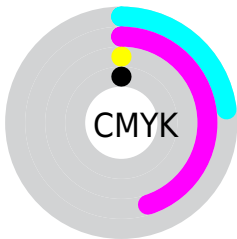
Distribution



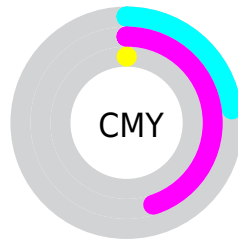
- Red (77%)
- Green (55%)
- Blue (100%)



- Red (77%)
- Yellow (55%)
- Blue (100%)



- Cyan (23%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (45%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 64.886, 311.078 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 68, 64.886, 311.078 by changing the saturation by 10% instead.


 68, 64.886,
311.078


 68, 64.886,
311.078


 100, 64.886,
311.078


 58, 64.886,
311.078


 88, 64.886,
311.078

 48, 64.886,
311.078

 98, 64.886,
311.078

 38, 64.886,
311.078

 28, 64.886,
311.078

 18, 64.886,
311.078

 8, 64.886, 311.078

 0, 64.886, 311.078

68, 64.886,
311.078

68, 64.886,
311.078

61, 79.630,
311.609

75, 49.961,
310.518

55, 93.682,
312.051

82, 35.169,
309.966

50, 106.253,
312.314

89, 20.677,
309.443

45, 116.320,
312.283

96, 6.572, 308.950

42, 122.909,
311.840

100, 0.172,
109.715

41, 125.157,
311.476

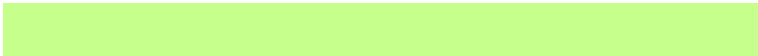
Harmonies

Complementary

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



68, 64.886, 311.078



94, 60.639, 126.642

Rectangle

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



68, 64.886, 311.078



68, 64.886, 1.078



68, 64.886, 131.078



68, 64.886, 181.078

Sweetspot

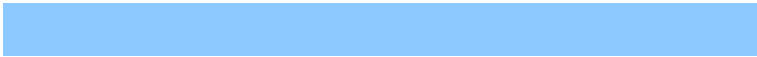
The Sweet Spot groups the original color and five complimentary colors.



68, 64.884, 311.078



91, 18.193, 309.355



78, 33.309, 261.726



47, 12.770, 309.466



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 64.884, 311.078



62, 78.623, 311.572



74, 69.964, 326.329



49, 7.917, 309.182



30, 100.724, 311.671



6, 44.908, 312.634

Inverse Universe

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



72, 51.073, 347.800



68, 60.788, 349.185



91, 70.116, 140.523



50, 6.421, 343.929



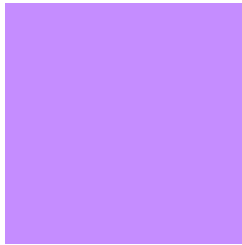
41, 68.349, 1.273



10, 31.955, 355.812

Previews

White Background



This preview shows how the CIELCh color 68, 64.886, 311.078 looks on a white background.

Color Contrast Check

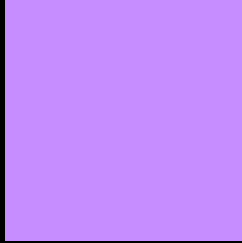
Large Text (above 18pt) WCAG AA × Fail

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 68, 64.886, 311.078 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 68, 64.886, 311.078

Background



This preview shows how black text looks on a background with the CIELCh color 68, 64.886, 311.078.



This preview shows how white text looks on a background with the CIELCh color 68, 64.886, 311.078.

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
68, 64.886, 311.078

Protanopia
68, 50.893, 285.478

Deuteranopia
68, 47.374, 281.968



Tritanopia
68, 11.311, 341.259

Trichromacy



Original Color
68, 64.886, 311.078



Protanomaly
68, 55.109, 295.776



Deuteranomaly
68, 52.901, 294.060

Tritanomaly
67, 30.348, 316.784

Monochromacy



Original Color
68, 64.886, 311.078



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 24.403, 310.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 64.886, 311.078 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(197, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 141, 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(197, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 141, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 64.886, 311.078 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(197, 141, 255) }
```

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

```
.border{ border-color:rgb(197, 141, 255) }
```

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

Here you see how a box with a 4 pixel rgb(197, 141, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 141,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 64.886, 311.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 141, 255) }
```

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

```
.background{ background-color: rgb(197,  
141, 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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