

Converting Colors

CIELCh(65, 67.346, 307.818)

Have a look what the booklet for
CIELCh(65, 67.346, 307.818)
contains.

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Color

CIELCh(65, 67.296, 307.712)

Conversions

Conversions Part 1

Format	Color
Hex	B487FE
RGB	180, 135, 254
RGB Percent	71%, 53%, 100%
CMY	0.2953, 0.4717, 0.0052
CMYK	0.29, 0.47, 0.00, 0.01
HSL	263°, 98%, 76%
HSV	263°, 47%, 99%
XYZ	45.2097, 34.0472, 97.6827
YIQ	162.0210, -11.3790, 46.5490

Conversions

Conversions Part 2

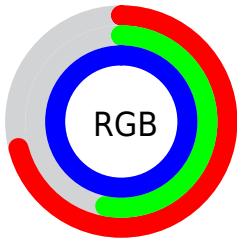
Format	Color
R _Y B	180, 135, 254
Decimal	11831294
CIE Lab	65.00, 41.16, -53.24
CIE LCh	65, 67.296, 307.712
Yxy	34.0472, 0.2555, 0.1924
Android (android.graphics.Color)	4290021374 (0xFFB487FE)
YUV	162.0210, 45.3456, 15.7676
Hunter-Lab	58.3500, 36.1900, -58.4114

Details

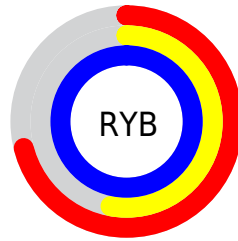
The CIELCh color $65, 67.296, 307.712$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 61.435, 122.284$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 38.746, 318.185$, and $45, 67.486, 307.747$ is the 20% darker color. If you saturate the color by 10%, you get $58, 82.235, 308.451$, and if you desaturate by 10%, it is $72, 52.315, 306.973$.

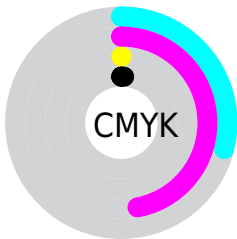
Distribution



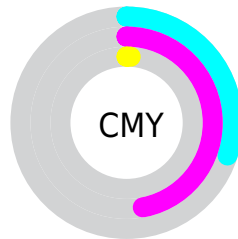
- Red (71%)
- Green (53%)
- Blue (100%)



- Red (71%)
- Yellow (53%)
- Blue (100%)



- Cyan (29%)
- Magenta (47%)
- Yellow (0%)
- Black (1%)





- Cyan (30%)
- Magenta (47%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 67.296, 307.712 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 65, 67.296, 307.712 by changing the saturation by 10% instead.


 65, 67.296,
307.712


 65, 67.296,
307.712


 100, 67.296,
307.712


 55, 67.296,
307.712


 85, 67.296,
307.712

 45, 67.296,
307.712

 95, 67.296,
307.712

 35, 67.296,
307.712

 25, 67.296,
307.712

 15, 67.296,
307.712

 5, 67.296, 307.712

 0, 67.296, 307.712

■ 65, 67.296,
307.712

■ 65, 67.296,
307.712

■ 58, 82.235,
308.451

■ 72, 52.315,
306.973

■ 52, 96.611,
309.119

■ 80, 37.581,
306.273

■ 46, 109.549,
309.604

■ 87, 23.233,
305.630

■ 41, 119.838,
309.757

■ 94, 9.330, 305.049

■ 38, 126.311,
309.433

100, 0.660,
110.011

■ 37, 127.797,
309.286

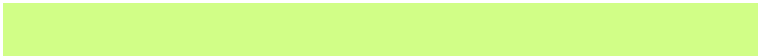
Harmonies

Complementary

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



65, 67.296, 307.712



94, 61.435, 122.284

Rectangle

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



65, 67.296, 307.712



65, 67.296, 357.712



65, 67.296, 127.712



65, 67.296, 177.712

Sweetspot

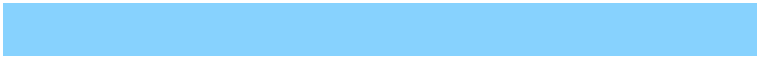
The Sweet Spot groups the original color and five complimentary colors.



65, 67.295, 307.712



90, 19.240, 305.456



81, 31.010, 247.215



46, 13.330, 305.585



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 67.295, 307.712



59, 81.252, 308.387



71, 71.263, 322.890



49, 7.756, 305.195



27, 103.125, 309.462



5, 44.873, 309.625

Inverse Universe

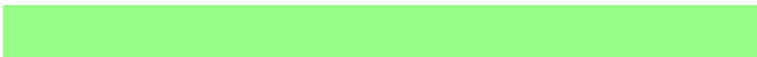
The Inverse Universe completely reimagines the original color for something new.



71, 56.848, 341.764



67, 66.782, 342.851



91, 70.564, 137.727



50, 6.944, 338.296



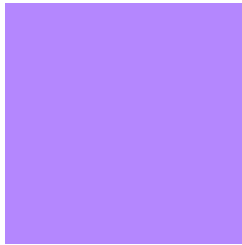
42, 71.084, 351.109



11, 33.514, 347.421

Previews

White Background



This preview shows how the CIELCh color 65, 67.296, 307.712 looks on a white background.

Color Contrast Check

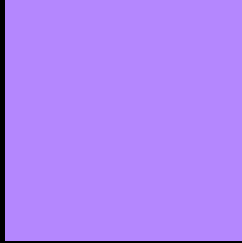
Large Text (above 18pt) WCAG AA × Fail

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 65, 67.296, 307.712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

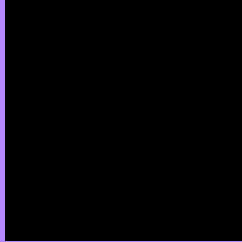
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 67.296, 307.712

Background



This preview shows how black text looks on a background with the CIELCh color 65, 67.296, 307.712.




This preview shows how white text looks on a background with the CIELCh color 65, 67.296, 307.712.

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
65, 7.360, 314.940

Trichromacy



Original Color
65, 67.296, 307.712



Protanomaly
65, 59.364, 293.945



Deuteranomaly
65, 56.091, 291.304



Tritanomaly
65, 29.464, 307.312

Monochromacy



Original Color
65, 67.296, 307.712



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 24.662, 305.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 67.296, 307.712 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(180, 135, 254)` looks like.

```
.text, #text, p{  
    color:rgb(180, 135, 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(180, 135, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 135, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 67.296, 307.712 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(180, 135, 254) }
```

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

```
.border{ border-color:rgb(180, 135, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 135, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 135, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 135, 254);  
box-shadow:4px 4px 4px 4px rgb(180, 135,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 67.296, 307.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 135, 254) }
```

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

```
.background{ background-color: rgb(180,  
135, 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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