

Converting Colors

CIELCh(67, 51.755, 286.170)

Have a look what the booklet for
CIELCh(67, 51.755, 286.170)
contains.

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Color

CIELCh(67, 52.134, 286.275)

Conversions

Conversions Part 1

Format	Color
Hex	819FFD
RGB	129, 159, 253
RGB Percent	51%, 62%, 99%
CMY	0.4934, 0.3759, 0.0072
CMYK	0.49, 0.37, 0.00, 0.01
HSL	225°, 97%, 75%
HSV	225°, 49%, 99%
XYZ	39.2599, 36.6320, 98.0715
YIQ	160.7460, -48.0540, 22.8740

Conversions

Conversions Part 2

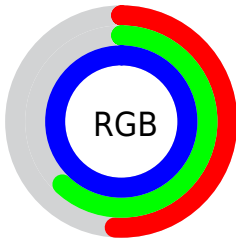
Format	Color
RYB	129, 153, 253
Decimal	8495101
CIELab	67.00, 14.61, -50.04
CIElCh	67, 52.134, 286.275
Yxy	36.6320, 0.2257, 0.2106
Android (android.graphics.Color)	4286685181 (0xFF819FFD)
YUV	160.7460, 45.4812, -27.8412
Hunter-Lab	60.5244, 9.8687, -53.7044

Details

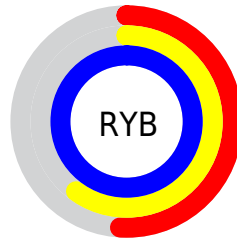
The CIELCh color **67, 52.134, 286.275** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **90, 49.570, 91.631**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 23.353, 271.155**, and **47, 52.247, 286.290** is the 20% darker color. If you saturate the color by 10%, you get **61, 63.765, 288.908**, and if you desaturate by 10%, it is **74, 40.879, 283.985**.

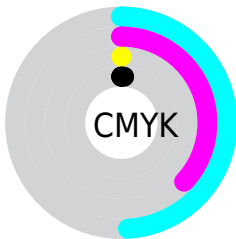
Distribution



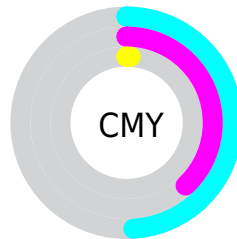
- Red (51%)
- Green (62%)
- Blue (99%)



- Red (51%)
- Yellow (60%)
- Blue (99%)



- Cyan (49%)
- Magenta (37%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (38%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 52.134, 286.275 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 67, 52.134, 286.275 by changing the saturation by 10% instead.


 67, 52.134,
286.275


 67, 52.134,
286.275


 100, 52.134,
286.275


 57, 52.134,
286.275


 87, 52.134,
286.275

 47, 52.134,
286.275

 97, 52.134,
286.275

 37, 52.134,
286.275

 27, 52.134,
286.275

 17, 52.134,
286.275

 7, 52.134, 286.275

 0, 52.134, 286.275

■ 67, 52.134,
286.275

■ 67, 52.134,
286.275

■ 61, 63.765,
288.908

■ 74, 40.879,
283.985

■ 54, 75.781,
291.860

■ 80, 29.969,
282.017

■ 49, 88.077,
295.037

■ 87, 19.369,
280.338

■ 43, 100.313,
298.257

■ 93, 9.050, 278.913

■ 39, 111.772,
301.230

100, 0.917,
110.025

■ 39, 112.867,
301.497

Harmonies

Complementary

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



67, 52.134, 286.275



90, 49.570, 91.631

Rectangle

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



67, 52.134, 286.275



67, 52.134, 336.275



67, 52.134, 106.275



67, 52.134, 156.275

Sweetspot

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



67, 52.133, 286.276



90, 15.321, 279.743



92, 42.193, 174.328



47, 10.481, 280.054



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 52.133, 286.276



61, 64.167, 288.921



62, 69.955, 304.102



50, 5.768, 278.983



29, 89.976, 301.006



7, 36.002, 296.205

Inverse Universe

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



69, 50.467, 6.923



64, 61.055, 9.392



95, 62.253, 116.888



50, 5.517, 0.969



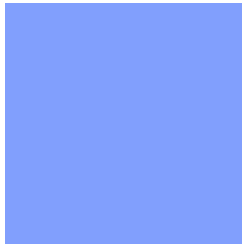
40, 72.983, 26.304



10, 31.744, 16.473

Previews

White Background



This preview shows how the CIELCh color 67, 52.134, 286.275 looks on a white background.

Color Contrast Check

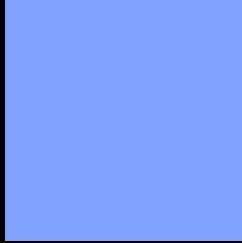
Large Text (above 18pt) WCAG AA × Fail

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 67, 52.134, 286.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

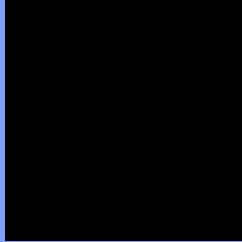
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

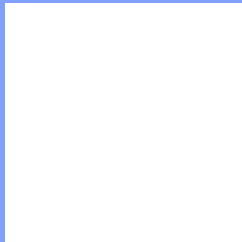
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 52.134, 286.275

Background



This preview shows how black text looks on a background with the CIELCh color 67, 52.134, 286.275.



This preview shows how white text looks on a background with the CIELCh color 67, 52.134, 286.275.

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

67, 52.134, 286.275

Protanopia

67, 52.165, 286.008

Deuteranopia

67, 50.468, 281.143



Tritanopia
67, 21.626, 219.015

Trichromacy



Original Color
67, 52.134, 286.275

Protanomaly
67, 52.165, 286.008

Deuteranomaly
67, 50.791, 282.960

Tritanomaly
67, 27.823, 258.007

Monochromacy



Original Color
67, 52.134, 286.275

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 19.648, 281.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 52.134, 286.275 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(129, 159, 253)` looks like.

```
.text, #text, p{  
    color:rgb(129, 159, 253)  
}
```

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(129, 159, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 159, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 52.134, 286.275 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(129, 159, 253) }
```

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

```
.border{ border-color:rgb(129, 159, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 159, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 159, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 159, 253); box-shadow:4px 4px 4px 4px rgb(129, 159, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 52.134, 286.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 159, 253) }
```

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

```
.background{ background-color: rgb(129,  
159, 253) }
```

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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