

Converting Colors

CIELCh(63, 65.666, 306.373)

Have a look what the booklet for
CIELCh(63, 65.666, 306.373)
contains.

CIELCh(63, 65.794, 306.444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 65.794, 306.444)

Conversions

Conversions Part 1

Format	Color
Hex	AA83F7
RGB	170, 131, 247
RGB Percent	67%, 51%, 97%
CMY	0.3325, 0.4855, 0.0305
CMYK	0.31, 0.47, 0.00, 0.03
HSL	260°, 88%, 74%
HSV	260°, 47%, 97%
XYZ	41.5922, 31.5869, 92.0830
YIQ	155.8850, -13.9920, 44.3440

Conversions

Conversions Part 2

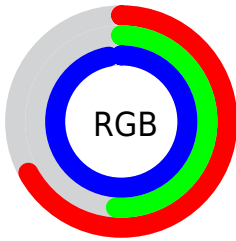
Format	Color
R _{YB}	170, 131, 247
Decimal	11174903
CIE _{Lab}	63.00, 39.08, -52.93
CIE _{LCh}	63, 65.794, 306.444
Yxy	31.5869, 0.2517, 0.1911
Android (android.graphics.Color)	4289364983 (0xFFAA83F7)
YUV	155.8850, 44.9197, 12.3789
Hunter-Lab	56.2022, 33.7440, -57.8005

Details

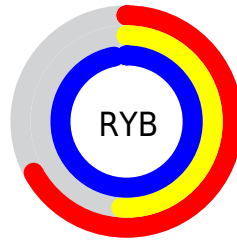
The CIELCh color `63, 65.794, 306.444` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `92, 59.663, 120.612`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `81, 40.038, 314.167`, and `43, 65.503, 306.324` is the 20% darker color. If you saturate the color by 10%, you get `56, 80.543, 307.285`, and if you desaturate by 10%, it is `70, 51.081, 305.622`.

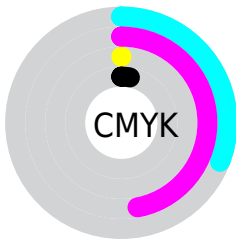
Distribution



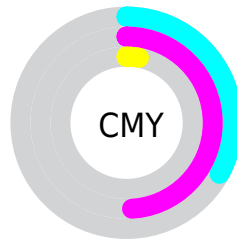
- Red (67%)
- Green (51%)
- Blue (97%)



- Red (67%)
- Yellow (51%)
- Blue (97%)



- Cyan (31%)
- Magenta (47%)
- Yellow (0%)
- Black (3%)





- Cyan (33%)
- Magenta (49%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 65.794, 306.444 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 63, 65.794, 306.444 by changing the saturation by 10% instead.


 63, 65.794,
306.444

 63, 65.794,
306.444


 100, 65.794,
306.444


 53, 65.794,
306.444


 83, 65.794,
306.444

 43, 65.794,
306.444

 93, 65.794,
306.444

 33, 65.794,
306.444

 23, 65.794,
306.444

 13, 65.794,
306.444

 3, 65.794, 306.444

 0, 65.794, 306.444

■ 63, 65.794,
306.444

■ 63, 65.794,
306.444

■ 56, 80.543,
307.285

■ 70, 51.081,
305.622

■ 50, 94.834,
308.071

■ 77, 36.665,
304.854

■ 44, 107.806,
308.688

■ 85, 22.663,
304.158

■ 39, 118.211,
308.971

■ 92, 9.121, 303.535

■ 36, 124.796,
308.762

■ 100, 3.955,
123.018

■ 35, 126.307,
308.655

■ 100, 3.931,
109.865

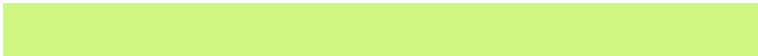
Harmonies

Complementary

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



63, 65.794, 306.444



92, 59.663, 120.612

Rectangle

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



63, 65.794, 306.444



63, 65.794, 356.444



63, 65.794, 126.444



63, 65.794, 176.444

Sweetspot

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



63, 65.793, 306.444



89, 19.123, 303.970



80, 29.778, 242.412



46, 13.251, 304.109



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 65.793, 306.444



58, 81.199, 307.215



69, 69.452, 321.864



47, 7.452, 303.688



26, 101.856, 308.824



4, 40.972, 307.651

Inverse Universe

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



70, 57.204, 339.663



68, 68.509, 340.644



89, 68.471, 136.920



48, 6.917, 336.434



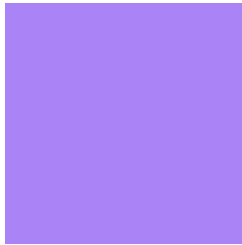
41, 71.271, 347.663



10, 32.565, 344.300

Previews

White Background



This preview shows how the CIELCh color 63, 65.794, 306.444 looks on a white background.

Color Contrast Check

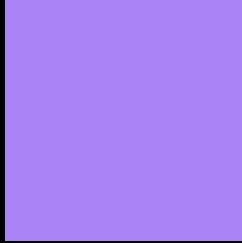
Large Text (above 18pt) WCAG AA × Fail

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 63, 65.794, 306.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

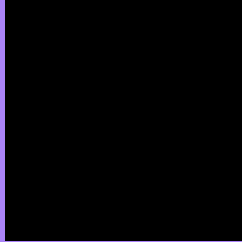
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 65.794, 306.444

Background



This preview shows how black text looks on a background with the CIELCh color 63, 65.794, 306.444.

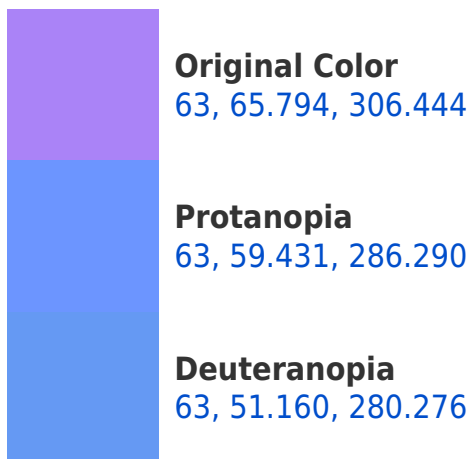


This preview shows how white text looks on a background with the CIELCh color 63, 65.794, 306.444.

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
63, 6.774, 297.244

Trichromacy



Original Color
63, 65.794, 306.444



Protanomaly
63, 60.823, 293.312



Deuteranomaly
63, 55.911, 290.624



Tritanomaly
63, 28.631, 303.496

Monochromacy



Original Color
63, 65.794, 306.444



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 24.112, 304.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 65.794, 306.444 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(170, 131, 247)` looks like.

```
.text, #text, p{  
    color:rgb(170, 131, 247)  
}
```

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(170, 131, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 131, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 65.794, 306.444 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(170, 131, 247) }
```

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

```
.border{ border-color:rgb(170, 131, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 131, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 131, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 131, 247); box-shadow:4px 4px 4px 4px rgb(170, 131, 247) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 65.794, 306.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 131, 247) }
```

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

```
.background{ background-color: rgb(170,  
131, 247) }
```

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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