

Converting Colors

CIELCh(64, 68.388, 307.088)

Have a look what the booklet for
CIELCh(64, 68.388, 307.088)
contains.

CIELCh(64, 68.457, 307.097)	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(64, 68.457, 307.097)

Conversions

Conversions Part 1

Format	Color
Hex	AF84FD
RGB	175, 132, 253
RGB Percent	69%, 52%, 99%
CMY	0.3129, 0.4816, 0.0070
CMYK	0.31, 0.48, 0.00, 0.01
HSL	261°, 97%, 76%
HSV	261°, 48%, 99%
XYZ	43.7714, 32.8017, 97.1378
YIQ	158.6510, -13.2130, 46.7470

Conversions

Conversions Part 2

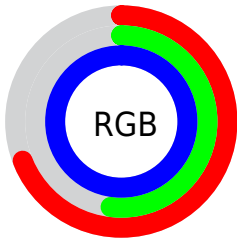
Format	Color
R _Y B	175, 132, 253
Decimal	11502845
CIE Lab	64.00, 41.29, -54.60
CIE LCh	64, 68.457, 307.097
Yxy	32.8017, 0.2520, 0.1888
Android (android.graphics.Color)	4289692925 (0xFFAF84FD)
YUV	158.6510, 46.5141, 14.3381
Hunter-Lab	57.2727, 36.1935, -60.4683

Details

The CIELCh color $64, 68.457, 307.097$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $94, 62.127, 121.345$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 39.992, 316.302$, and $44, 68.782, 307.201$ is the 20% darker color. If you saturate the color by 10%, you get $57, 83.420, 307.888$, and if you desaturate by 10%, it is $71, 53.460, 306.311$.

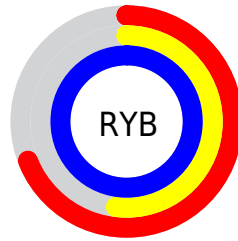
Distribution



Red (69%)

Green (52%)

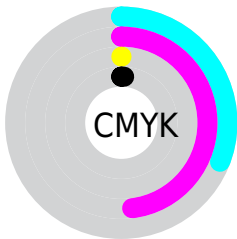
Blue (99%)



Red (69%)

Yellow (52%)

Blue (99%)

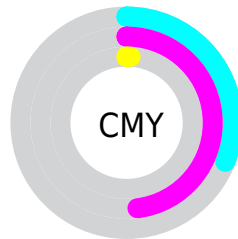


Cyan (31%)

Magenta (48%)

Yellow (0%)

Black (1%)



Cyan (31%)


Magenta (48%)

Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 68.457, 307.097 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 64, 68.457, 307.097 by changing the saturation by 10% instead.

 64, 68.457,
307.097

 64, 68.457,
307.097


 100, 68.457,
307.097


 54, 68.457,
307.097


 84, 68.457,
307.097

 44, 68.457,
307.097

 94, 68.457,
307.097

 34, 68.457,
307.097

 24, 68.457,
307.097

 14, 68.457,
307.097

 4, 68.457, 307.097

 0, 68.457, 307.097

■ 64, 68.457,
307.097

■ 64, 68.457,
307.097

■ 57, 83.420,
307.888

■ 71, 53.460,
306.311

■ 51, 97.808,
308.608

■ 79, 38.724,
305.569

■ 45, 110.708,
309.139

■ 86, 24.386,
304.892

■ 40, 120.851,
309.321

■ 94, 10.504,
304.283

■ 37, 127.105,
309.017

■ 100, 0.890,
110.024

■ 37, 128.181,
308.928

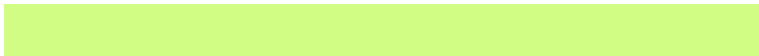
Harmonies

Complementary

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



64, 68.457, 307.097



94, 62.127, 121.345

Rectangle

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



64, 68.457, 307.097



64, 68.457, 357.097



64, 68.457, 127.097



64, 68.457, 177.097

Sweetspot

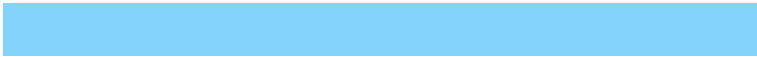
The Sweet Spot groups the original color and five complimentary colors.



64, 68.456, 307.097



89, 19.175, 304.654



81, 31.121, 245.053



46, 13.286, 304.788



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 68.456, 307.097



58, 82.715, 307.828



70, 72.228, 322.410



49, 7.729, 304.383



27, 103.577, 309.096



5, 44.844, 309.054

Inverse Universe

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



71, 58.583, 340.709



67, 68.703, 341.762



91, 71.367, 137.257



50, 7.056, 337.277



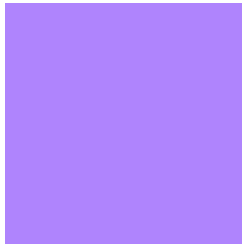
42, 71.919, 349.245



11, 33.917, 345.892

Previews

White Background



This preview shows how the CIELCh color 64, 68.457, 307.097 looks on a white background.

Color Contrast Check

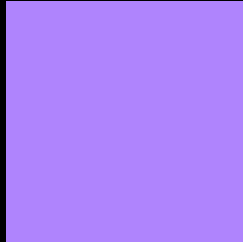
Large Text (above 18pt) WCAG AA × Fail

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 64, 68.457, 307.097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

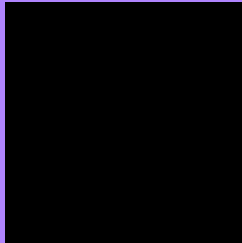
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 68.457, 307.097

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.457, 307.097.




This preview shows how white text looks on a background with the CIELCh color 64, 68.457, 307.097.

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
64, 6.984, 306.443

Trichromacy



Original Color
64, 68.457, 307.097



Protanomaly
64, 60.654, 293.950



Deuteranomaly
64, 57.413, 290.882



Tritanomaly
63, 29.947, 305.781

Monochromacy



Original Color
64, 68.457, 307.097



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 25.285, 305.480

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.457, 307.097 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(175, 132, 253)` looks like.

```
.text, #text, p{  
    color:rgb(175, 132, 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(175, 132, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 132, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.457, 307.097 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(175, 132, 253) }
```

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

```
.border{ border-color:rgb(175, 132, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 132, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 132, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 132, 253);  
box-shadow:4px 4px 4px 4px rgb(175, 132,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.457, 307.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 132, 253) }
```

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

```
.background{ background-color: rgb(175,  
132, 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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