

Converting Colors

CIELCh(64, 65.571, 315.846)

Have a look what the booklet for
CIELCh(64, 65.571, 315.846)
contains.

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Color

CIELCh(64, 65.144, 315.825)

Conversions

Conversions Part 1

Format	Color
Hex	C57EED
RGB	197, 126, 237
RGB Percent	77%, 49%, 93%
CMY	0.2284, 0.5068, 0.0715
CMYK	0.17, 0.47, 0.00, 0.07
HSL	278°, 75%, 71%
HSV	278°, 47%, 93%
XYZ	45.6446, 32.8017, 83.8586
YIQ	159.8830, 6.6850, 49.5730

Conversions

Conversions Part 2

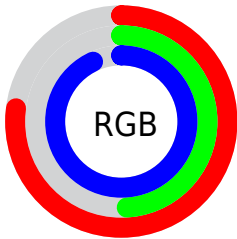
Format	Color
RYB	197, 126, 237
Decimal	12943085
CIELab	64.00, 46.72, -45.40
CIElCh	64, 65.144, 315.825
Yxy	32.8017, 0.2812, 0.2021
Android (android.graphics.Color)	4291133165 (0xFFC57EED)
YUV	159.8830, 38.0187, 32.5516
Hunter-Lab	57.2727, 42.0317, -46.7214

Details

The CIELCh color $64, 65.144, 315.825$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 62.304, 131.529$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 46.967, 326.049$, and $44, 65.495, 315.803$ is the 20% darker color. If you saturate the color by 10%, you get $58, 78.552, 316.176$, and if you desaturate by 10%, it is $70, 51.183, 315.405$.

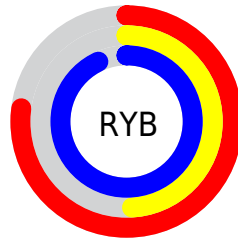
Distribution



Red (77%)

Green (49%)

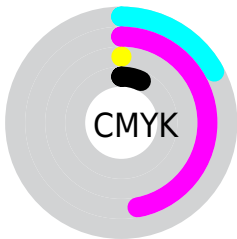
Blue (93%)



Red (77%)

Yellow (49%)

Blue (93%)

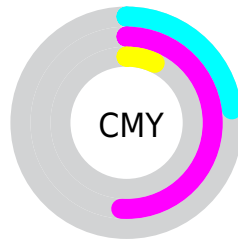


Cyan (17%)

Magenta (47%)

Yellow (0%)

Black (7%)



Cyan (23%)


Magenta (51%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 65.144, 315.825 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, 65.144, 315.825 by changing the saturation by 10% instead.

 64, 65.144,
315.825


 64, 65.144,
315.825


 100, 65.144,
315.825


 54, 65.144,
315.825


 84, 65.144,
315.825

 44, 65.144,
315.825

 94, 65.144,
315.825

 34, 65.144,
315.825

 24, 65.144,
315.825

 14, 65.144,
315.825

 4, 65.144, 315.825

 0, 65.144, 315.825

64, 65.144,
315.825

64, 65.144,
315.825

58, 78.552,
316.176

70, 51.183,
315.405

53, 90.838,
316.403

76, 37.071,
314.955

49, 101.257,
316.431

83, 23.055,
314.502

45, 109.017,
316.180

89, 9.287, 314.056

96, 4.151, 133.712

43, 113.609,
315.585

99, 9.606, 124.647

42, 114.669,
315.364

100, 9.235,
109.477

Harmonies

Complementary

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



64, 65.144, 315.825



87, 62.304, 131.529

Rectangle

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



64, 65.144, 315.825



64, 65.144, 5.825



64, 65.144, 135.825



64, 65.144, 185.825

Sweetspot

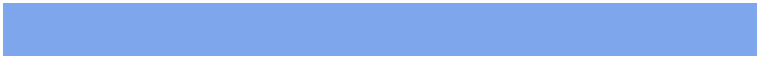
The Sweet Spot groups the original color and five complimentary colors.



64, 65.142, 315.825



90, 20.252, 314.376



68, 39.836, 276.954



47, 14.015, 314.473



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, 65.142, 315.825



63, 82.199, 316.157



68, 63.162, 331.165



46, 7.640, 314.172



32, 93.676, 315.544



5, 38.305, 316.326

Inverse Universe

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



66, 47.055, 357.783



66, 59.181, 359.675



85, 63.392, 144.311



46, 5.463, 352.743



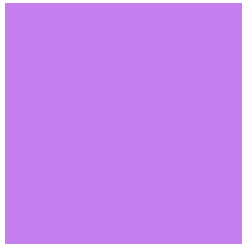
38, 66.189, 15.397



7, 27.850, 5.604

Previews

White Background



This preview shows how the CIELCh color 64, 65.144, 315.825 looks on a white background.

Color Contrast Check

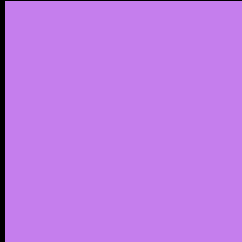
Large Text (above 18pt) WCAG AA × Fail

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 64, 65.144, 315.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

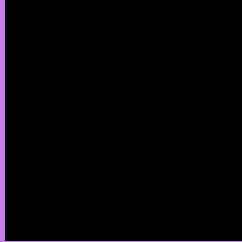
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 65.144, 315.825

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.144, 315.825.



This preview shows how white text looks on a background with the CIELCh color 64, 65.144, 315.825.

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, 16.440, 359.369

Trichromacy



Original Color
64, 65.144, 315.825



Protanomaly
63, 59.163, 296.654



Deuteranomaly
64, 49.779, 296.945



Tritanomaly
64, 32.076, 328.155

Monochromacy



Original Color
64, 65.144, 315.825



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 24.129, 314.212

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.144, 315.825 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, 126, 237)` looks like.

```
.text, #text, p{  
    color:rgb(197, 126, 237)  
}
```

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, 126, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 126, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.144, 315.825 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, 126, 237) }
```

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

```
.border{ border-color:rgb(197, 126, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 126, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 126, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 126, 237);  
box-shadow:4px 4px 4px 4px rgb(197, 126,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.144, 315.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 126, 237) }
```

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

```
.background{ background-color: rgb(197,  
126, 237) }
```

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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