

Converting Colors

CIELCh(68, 103.084, 309.478)

Have a look what the booklet for
CIELCh(68, 103.084, 309.478)
contains.

CIELCh(65, 75.275, 314.163)	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(65, 75.275, 314.163)

Conversions

Conversions Part 1

Format	Color
Hex	C87CFF
RGB	200, 124, 255
RGB Percent	78%, 49%, 100%
CMY	0.2145, 0.5126, 0.0000
CMYK	0.21, 0.51, 0.00, 0.00
HSL	275°, 100%, 74%
HSV	275°, 51%, 100%
XYZ	49.2438, 34.0472, 98.8446
YIQ	161.6580, 3.2450, 56.8530

Conversions

Conversions Part 2

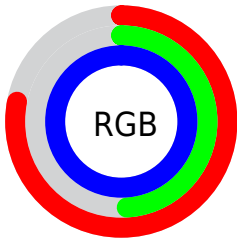
Format	Color
R _Y B	200, 124, 255
Decimal	13139199
CIE Lab	65.00, 52.44, -54.00
CIE LCh	65, 75.275, 314.163
Yxy	34.0472, 0.2704, 0.1869
Android (android.graphics.Color)	4291329279 (0xFFC87CFF)
YUV	161.6580, 46.0176, 33.6259
Hunter-Lab	58.3500, 48.5307, -59.5920

Details

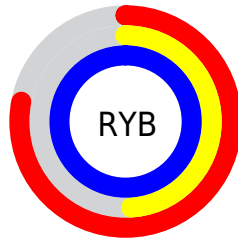
The CIELCh color $65, 75.275, 314.163$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $93, 70.727, 129.475$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 47.584, 326.070$, and $45, 75.240, 314.064$ is the 20% darker color. If you saturate the color by 10%, you get $59, 89.138, 314.559$, and if you desaturate by 10%, it is $71, 60.408, 313.762$.

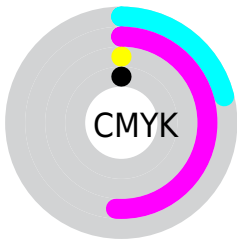
Distribution



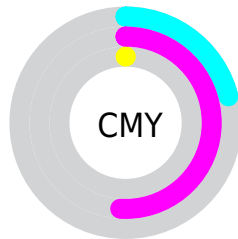
- Red (78%)
- Green (49%)
- Blue (100%)



- Red (78%)
- Yellow (49%)
- Blue (100%)



- Cyan (21%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (51%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 75.275, 314.163 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, 75.275, 314.163 by changing the saturation by 10% instead.


 65, 75.275,
314.163


 65, 75.275,
314.163


 100, 75.275,
314.163


 55, 75.275,
314.163


 85, 75.275,
314.163

 45, 75.275,
314.163

 95, 75.275,
314.163

 35, 75.275,
314.163

 25, 75.275,
314.163

 15, 75.275,
314.163

 5, 75.275, 314.163

 0, 75.275, 314.163

65, 75.275,
314.163

65, 75.275,
314.163

59, 89.138,
314.559

71, 60.408,
313.762

54, 101.750,
314.758

78, 45.472,
313.285

49, 112.069,
314.710

85, 30.618,
312.805

46, 119.219,
314.319

92, 16.022,
312.340

44, 122.836,
313.693

99, 1.780, 311.823

100, 0.012,
296.813

Harmonies

Complementary

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



65, 75.275, 314.163



93, 70.727, 129.475

Rectangle

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



65, 75.275, 314.163



65, 75.275, 4.163



65, 75.275, 134.163



65, 75.275, 184.163

Sweetspot

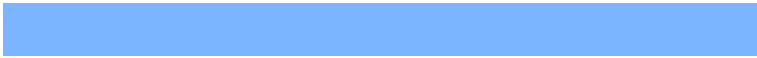
The Sweet Spot groups the original color and five complimentary colors.



65, 75.123, 314.203



89, 21.442, 312.512



73, 42.308, 272.328



46, 14.666, 312.610



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, 75.123, 314.203



59, 90.128, 314.580



71, 75.933, 329.164



49, 8.071, 312.260



32, 98.784, 313.885



7, 44.731, 315.150

Inverse Universe

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



69, 55.639, 354.618



64, 65.810, 356.843



91, 76.508, 141.871



50, 6.056, 349.106



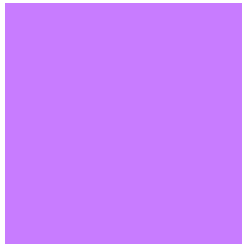
41, 68.138, 10.018



10, 31.347, 3.231

Previews

White Background



This preview shows how the CIELCh color 65, 75.275, 314.163 looks on a white background.

Color Contrast Check

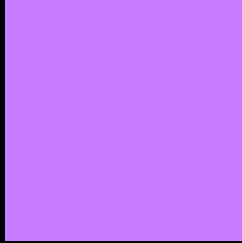
Large Text (above 18pt) WCAG AA × Fail

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 65, 75.275, 314.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

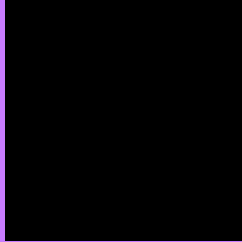
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 75.275, 314.163

Background



This preview shows how black text looks on a background with the CIELCh color 65, 75.275, 314.163.

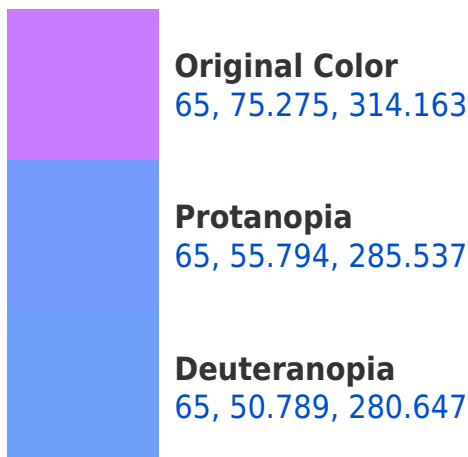


This preview shows how white text looks on a background with the CIELCh color 65, 75.275, 314.163.

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, 15.647, 358.150

Trichromacy



Original Color
65, 75.275, 314.163



Protanomaly
64, 61.739, 297.035



Deuteranomaly
64, 58.380, 294.906



Tritanomaly
65, 35.756, 324.403

Monochromacy



Original Color
65, 75.275, 314.163



Achromatopsia
67, 0.008, 296.813



Achromatomaly
65, 28.583, 312.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 75.275, 314.163 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(200, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 124, 255)  
}
```

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(200, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 124, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 75.275, 314.163 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(200, 124, 255) }
```

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

```
.border{ border-color:rgb(200, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 124,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 75.275, 314.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 124, 255) }
```

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

```
.background{ background-color: rgb(200,  
124, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor