

Converting Colors

CIELCh(65, 80.423, 317.463)

Have a look what the booklet for
CIELCh(65, 80.423, 317.463)
contains.

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Color

CIELCh(65, 79.916, 317.605)

Conversions

Conversions Part 1

Format	Color
Hex	D475FF
RGB	212, 117, 255
RGB Percent	83%, 46%, 100%
CMY	0.1676, 0.5403, 0.0000
CMYK	0.17, 0.54, 0.00, 0.00
HSL	281°, 100%, 73%
HSV	281°, 54%, 100%
XYZ	51.7023, 34.0472, 98.6656
YIQ	161.1370, 12.3220, 63.0580

Conversions

Conversions Part 2

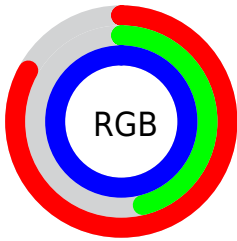
Format	Color
R _Y B	212, 117, 255
Decimal	13923839
CIE Lab	65.00, 59.02, -53.88
CIE LCh	65, 79.916, 317.605
Yxy	34.0472, 0.2804, 0.1846
Android (android.graphics.Color)	4292113919 (0xFFD475FF)
YUV	161.1370, 46.2745, 44.6069
Hunter-Lab	58.3500, 56.0517, -59.4102

Details

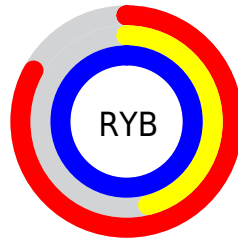
The CIELCh color $65, 79.916, 317.605$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $92, 76.625, 132.660$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 51.883, 326.215$, and $45, 79.997, 317.447$ is the 20% darker color. If you saturate the color by 10%, you get $60, 92.992, 317.880$, and if you desaturate by 10%, it is $71, 65.460, 317.293$.

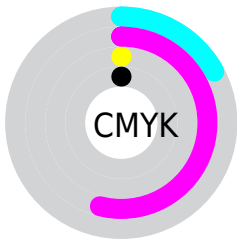
Distribution



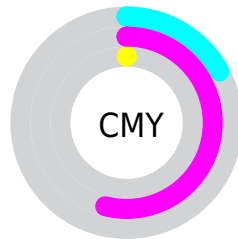
- Red (83%)
- Green (46%)
- Blue (100%)



- Red (83%)
- Yellow (46%)
- Blue (100%)



- Cyan (17%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 79.916, 317.605 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, 79.916, 317.605 by changing the saturation by 10% instead.

 65, 79.916,
317.605


 65, 79.916,
317.605


 100, 79.916,
317.605


 55, 79.916,
317.605


 85, 79.916,
317.605

 45, 79.916,
317.605

 95, 79.916,
317.605

 35, 79.916,
317.605

 25, 79.916,
317.605

 15, 79.916,
317.605

 5, 79.916, 317.605

 0, 79.916, 317.605

65, 79.916,
317.605

65, 79.916,
317.605

60, 92.992,
317.880

71, 65.460,
317.293

55, 104.296,
317.942

77, 50.558,
316.880

51, 112.910,
317.759

84, 35.496,
316.439

49, 118.248,
317.268

90, 20.535,
315.993

48, 120.118,
316.850

97, 5.833, 315.538

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, 79.916, 317.605



92, 76.625, 132.660

Rectangle

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



65, 79.916, 317.605



65, 79.916, 7.605



65, 79.916, 137.605



65, 79.916, 187.605

Sweetspot

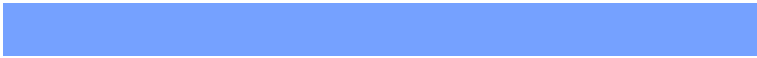
The Sweet Spot groups the original color and five complimentary colors.



65, 79.797, 317.642



89, 23.473, 316.081



67, 52.584, 282.736



46, 15.879, 316.172



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, 79.797, 317.642



59, 94.190, 317.895



69, 73.451, 333.528



49, 8.285, 315.792



35, 96.649, 317.018



8, 44.161, 318.210

Inverse Universe

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



67, 56.545, 2.922



62, 66.886, 5.796



90, 73.984, 144.922



50, 5.695, 356.104



40, 70.342, 20.327



10, 31.421, 12.020

Previews

White Background



This preview shows how the CIELCh color 65, 79.916, 317.605 looks on a white background.

Color Contrast Check

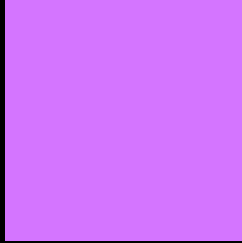
Large Text (above 18pt) WCAG AA × Fail

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, 79.916, 317.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

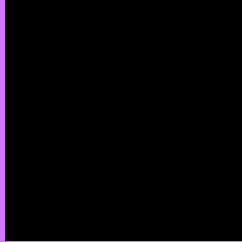
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 79.916, 317.605

Background



This preview shows how black text looks on a background with the CIELCh color 65, 79.916, 317.605.

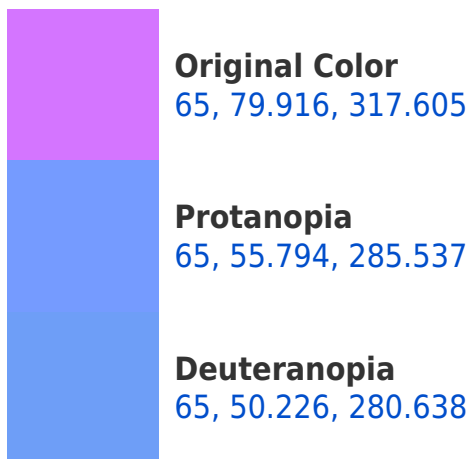


This preview shows how white text looks on a background with the CIELCh color 65, 79.916, 317.605.

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, 22.192, 5.929

Trichromacy



Original Color
65, 79.916, 317.605



Protanomaly
64, 63.579, 299.174



Deuteranomaly
64, 59.641, 297.186



Tritanomaly
65, 39.989, 331.762

Monochromacy



Original Color
65, 79.916, 317.605



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 30.566, 316.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 79.916, 317.605 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(212, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 117, 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(212, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 79.916, 317.605 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(212, 117, 255) }
```

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

```
.border{ border-color:rgb(212, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 117, 255); box-shadow:4px 4px 4px 4px rgb(212, 117, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 79.916, 317.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 117, 255) }
```

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

```
.background{ background-color: rgb(212,  
117, 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](#).

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