

# Converting Colors

CIELCh(65, 59.565, 322.231)

Have a look what the booklet for  
CIELCh(65, 59.565, 322.231)  
contains.

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**Color**

**CIELCh(65, 59.524, 322.088)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D17FE0
RGB	209, 127, 224
RGB Percent	82%, 50%, 88%
CMY	0.1810, 0.5025, 0.1222
CMYK	0.07, 0.43, 0.00, 0.12
HSL	291°, 61%, 69%
HSV	291°, 43%, 88%
XYZ	47.2544, 34.0472, 74.4916
YIQ	162.5760, 17.7350, 47.5510

# Conversions

## Conversions Part 2

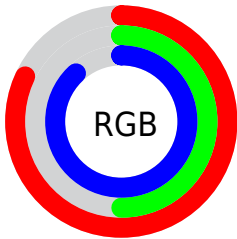
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 127, 224
Decimal	13729760
CIE Lab	65.00, 46.96, -36.57
CIE LCh	65, 59.524, 322.088
Yxy	34.0472, 0.3033, 0.2185
Android (android.graphics.Color)	4291919840 (0xFFD17FE0)
YUV	162.5760, 30.2820, 40.7138
Hunter-Lab	58.3500, 42.4448, -34.8468

# Details

The CIELCh color  $65, 59.524, 322.088$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $82, 58.788, 137.508$ , and the grayscale version is  $67, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 45.730, 326.007$ , and  $45, 59.228, 322.265$  is the 20% darker color. If you saturate the color by 10%, you get  $60, 72.258, 322.441$ , and if you desaturate by 10%, it is  $70, 46.024, 321.672$ .

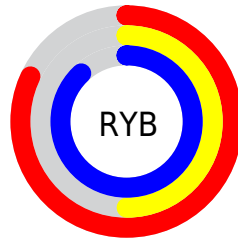
# Distribution



Red (82%)

Green (50%)

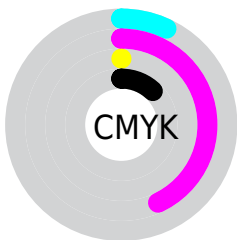
Blue (88%)



Red (82%)

Yellow (50%)

Blue (88%)

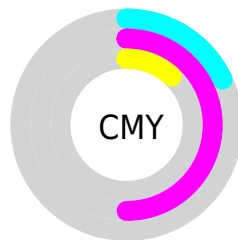


Cyan (7%)

Magenta (43%)

Yellow (0%)

Black (12%)



Cyan (18%)

Magenta (50%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 59.524, 322.088 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, 59.524, 322.088 by changing the saturation by 10% instead.




 65, 59.524,  
322.088

 65, 59.524,  
322.088

 100, 59.524,  
322.088


 55, 59.524,  
322.088

 85, 59.524,  
322.088

 45, 59.524,  
322.088

 95, 59.524,  
322.088

 35, 59.524,  
322.088

 25, 59.524,  
322.088

 15, 59.524,  
322.088

 5, 59.524, 322.088

 0, 59.524, 322.088

65, 59.524,  
322.088

65, 59.524,  
322.088

60, 72.258,  
322.441

70, 46.024,  
321.672

56, 83.695,  
322.696

76, 32.180,  
321.220

53, 93.222,  
322.817

81, 18.283,  
320.751

50, 100.268,  
322.766

87, 4.531, 320.249

48, 104.511,  
322.514


93, 8.956, 139.880

47, 106.098,  
322.256

97, 18.345,  
138.673

98, 17.745,  
135.320

98, 17.209,  
131.715

 98, 16.746,  
127.864

# Harmonies

# Complementary

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



65, 59.524, 322.088



82, 58.788, 137.508

# Rectangle

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



65, 59.524, 322.088



65, 59.524, 12.088



65, 59.524, 142.088



65, 59.524, 192.088

# Sweetspot

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



65, 59.522, 322.088



92, 19.819, 320.739



61, 45.492, 289.061



47, 13.890, 320.845



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, 59.522, 322.088



69, 78.451, 322.411



66, 49.106, 339.139



44, 7.783, 320.565



37, 88.605, 322.346



6, 35.605, 322.974



# Inverse Universe

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



64, 39.936, 12.296



67, 53.937, 14.260



82, 48.381, 151.679



44, 4.818, 7.554



37, 72.357, 32.450

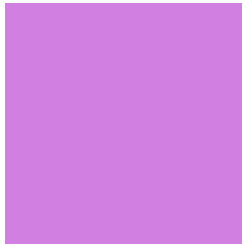


6, 25.294, 14.401



# Previews

## White Background



This preview shows how the CIELCh color 65, 59.524, 322.088 looks on a white background.

## Color Contrast Check

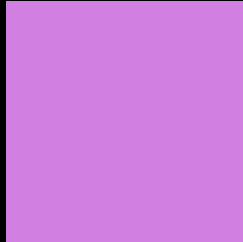
Large Text (above 18pt) WCAG AA × Fail

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, 59.524, 322.088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

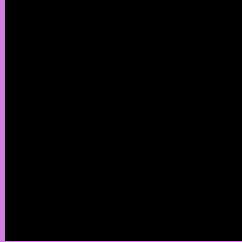
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 59.524, 322.088

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 59.524, 322.088.

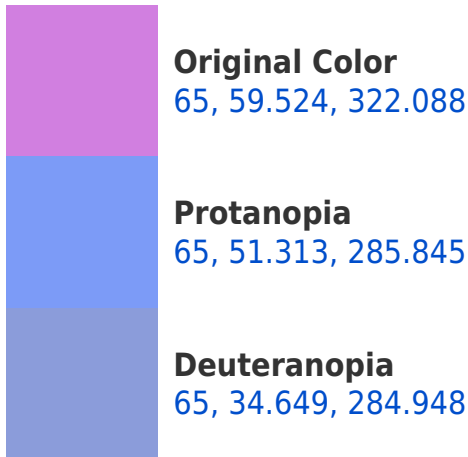


This preview shows how white text looks on a background with the CIELCh color 65, 59.524, 322.088.

# 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, 22.889, 7.931

# Trichromacy



**Original Color**  
65, 59.524, 322.088



**Protanomaly**  
65, 52.498, 298.640



**Deuteranomaly**  
64, 42.400, 302.657



**Tritanomaly**  
65, 33.646, 339.549

# Monochromacy



**Original Color**  
65, 59.524, 322.088



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
65, 22.401, 321.360

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 59.524, 322.088 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(209, 127, 224)` looks like.

```
.text, #text, p{  
    color:rgb(209, 127, 224)  
}
```

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(209, 127, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 127, 224) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 59.524, 322.088 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(209, 127, 224) }
```

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

```
.border{ border-color:rgb(209, 127, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 127, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 127, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 127, 224);  
box-shadow:4px 4px 4px 4px rgb(209, 127,  
224) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 59.524, 322.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 127, 224) }
```

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

```
.background{ background-color: rgb(209,  
127, 224) }
```

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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