

Converting Colors

CIELCh(65, 65.679, 319.960)

Have a look what the booklet for
CIELCh(65, 65.679, 319.960)
contains.

CIELCh(65, 65.903, 319.986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 65.903, 319.986)

Conversions

Conversions Part 1

Format	Color
Hex	D17CEA
RGB	209, 124, 234
RGB Percent	82%, 49%, 92%
CMY	0.1792, 0.5126, 0.0811
CMYK	0.11, 0.47, 0.00, 0.08
HSL	286°, 73%, 70%
HSV	286°, 47%, 92%
XYZ	48.5227, 34.0472, 82.0905
YIQ	161.9550, 15.3500, 52.2300

Conversions

Conversions Part 2

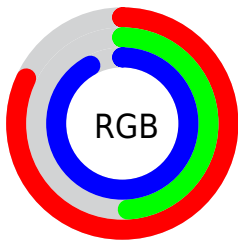
Format	Color
R _Y B	209, 124, 234
Decimal	13729002
CIE Lab	65.00, 50.47, -42.37
CIE LCh	65, 65.903, 319.986
Yxy	34.0472, 0.2947, 0.2068
Android (android.graphics.Color)	4291919082 (0xFFD17CEA)
YUV	161.9550, 35.5182, 41.2585
Hunter-Lab	58.3500, 46.3246, -42.5680

Details

The CIELCh color **65, 65.903, 319.986** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **85, 64.410, 135.369**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 47.584, 326.070**, and **45, 66.192, 319.854** is the 20% darker color. If you saturate the color by 10%, you get **60, 78.851, 320.293**, and if you desaturate by 10%, it is **70, 52.118, 319.601**.

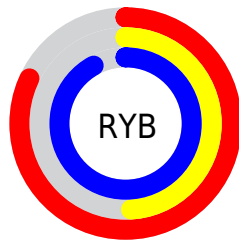
Distribution



Red (82%)

Green (49%)

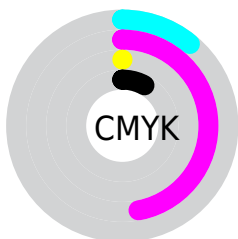
Blue (92%)



Red (82%)

Yellow (49%)

Blue (92%)

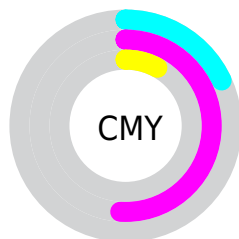


Cyan (11%)

Magenta (47%)

Yellow (0%)

Black (8%)



Cyan (18%)


Magenta (51%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 65.903, 319.986 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, 65.903, 319.986 by changing the saturation by 10% instead.


 65, 65.903,
319.986


 65, 65.903,
319.986


 100, 65.903,
319.986


 55, 65.903,
319.986


 85, 65.903,
319.986

 45, 65.903,
319.986

 95, 65.903,
319.986

 35, 65.903,
319.986

 25, 65.903,
319.986

 15, 65.903,
319.986

 5, 65.903, 319.986

 0, 65.903, 319.986

65, 65.903,
319.986

65, 65.903,
319.986

60, 78.851,
320.293

70, 52.118,
319.601

56, 90.375,
320.479

76, 37.956,
319.172

52, 99.791,
320.492

82, 23.731,
318.725

49, 106.483,
320.280

88, 9.649, 318.269

47, 110.186,
319.812

95, 4.165, 137.918

47, 110.985,
319.644

99, 11.632,
134.264

99, 10.938,
125.365

99, 10.545,
115.437

100, 10.472,
109.385

Harmonies

Complementary

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



65, 65.903, 319.986



85, 64.410, 135.369

Rectangle

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



65, 65.903, 319.986



65, 65.903, 9.986



65, 65.903, 139.986



65, 65.903, 189.986

Sweetspot

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



65, 65.901, 319.986



91, 20.940, 318.594



63, 47.301, 286.241



47, 14.482, 318.692



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, 65.901, 319.986



65, 83.145, 320.275



67, 57.359, 336.434



46, 7.909, 318.385



36, 91.439, 319.772



7, 38.616, 320.766

Inverse Universe

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



65, 45.307, 7.548



66, 58.020, 9.712



85, 57.058, 148.683



46, 5.121, 2.035



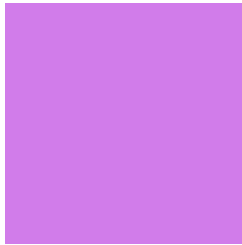
38, 70.570, 27.250



7, 27.862, 13.201

Previews

White Background



This preview shows how the CIELCh color 65, 65.903, 319.986 looks on a white background.

Color Contrast Check

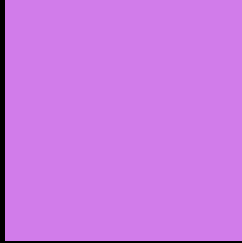
Large Text (above 18pt) WCAG AA × Fail

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 65, 65.903, 319.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

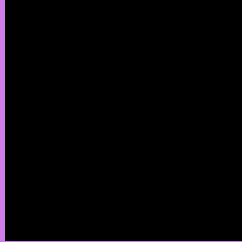
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 65.903, 319.986

Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.903, 319.986.



This preview shows how white text looks on a background with the CIELCh color 65, 65.903, 319.986.

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



Original Color
65, 65.903, 319.986

Protanopia
65, 55.732, 285.998

Deuteranopia
65, 39.852, 282.672



Tritanopia
65, 22.581, 6.259

Trichromacy



Original Color
65, 65.903, 319.986



Protanomaly
64, 57.424, 298.153



Deuteranomaly
64, 47.674, 300.122



Tritanomaly
65, 35.436, 336.142

Monochromacy



Original Color
65, 65.903, 319.986



Achromatopsia
67, 0.008, 296.813



Achromatomaly
65, 24.988, 318.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 65.903, 319.986 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, 124, 234)` looks like.

```
.text, #text, p{  
    color:rgb(209, 124, 234)  
}
```

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, 124, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 124, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 65.903, 319.986 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, 124, 234) }
```

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

```
.border{ border-color:rgb(209, 124, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 124, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 124, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 124, 234);  
box-shadow:4px 4px 4px 4px rgb(209, 124,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 65.903, 319.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 124, 234) }
```

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

```
.background{ background-color: rgb(209,  
124, 234) }
```

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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