

Converting Colors

CIELCh(65, 42.739, 305.720)

Have a look what the booklet for
CIELCh(65, 42.739, 305.720)
contains.

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Color

CIELCh(65, 42.739, 305.720)

Conversions

Conversions Part 1

Format	Color
Hex	AB91DC
RGB	171, 145, 220
RGB Percent	67%, 57%, 86%
CMY	0.3296, 0.4316, 0.1375
CMYK	0.22, 0.34, 0.00, 0.14
HSL	261°, 52%, 72%
HSV	261°, 34%, 86%
XYZ	39.8068, 34.0472, 72.1384
YIQ	161.3240, -8.5790, 28.8370

Conversions

Conversions Part 2

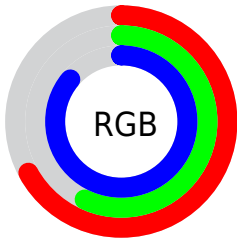
Format	Color
R_{YB}	171, 145, 220
Decimal	11243996
CIE _{Lab}	65.00, 24.95, -34.70
CIE _{LCh}	65, 42.739, 305.720
Yxy	34.0472, 0.2727, 0.2332
Android (android.graphics.Color)	4289434076 (0xFFAB91DC)
YUV	161.3240, 28.9273, 8.4859
Hunter-Lab	58.3500, 19.6615, -32.4556

Details

The CIELCh color $65, 42.739, 305.720$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $84, 40.033, 121.691$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 31.168, 310.115$, and $45, 43.111, 305.639$ is the 20% darker color. If you saturate the color by 10%, you get $58, 56.047, 306.503$, and if you desaturate by 10%, it is $72, 29.728, 304.994$.

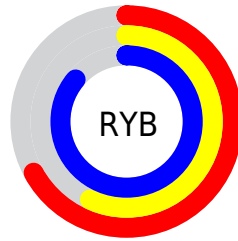
Distribution



Red (67%)

Green (57%)

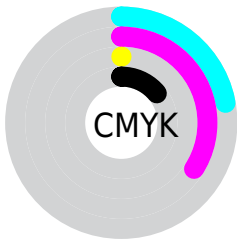
Blue (86%)



Red (67%)

Yellow (57%)

Blue (86%)

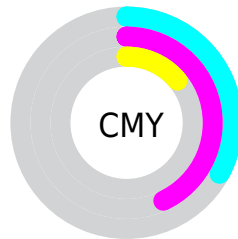


Cyan (22%)

Magenta (34%)

Yellow (0%)

Black (14%)



Cyan (33%)


Magenta (43%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 42.739, 305.720 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, 42.739, 305.720 by changing the saturation by 10% instead.


 65, 42.739,
305.720


 65, 42.739,
305.720


 100, 42.739,
305.720


 55, 42.739,
305.720


 85, 42.739,
305.720

 45, 42.739,
305.720

 95, 42.739,
305.720

 35, 42.739,
305.720

 25, 42.739,
305.720

 15, 42.739,
305.720

 5, 42.739, 305.720

 0, 42.739, 305.720

65, 42.739,
305.720

65, 42.739,
305.720

58, 56.047,
306.503

72, 29.728,
304.994

52, 69.466,
307.313

78, 17.103,
304.338

46, 82.626,
308.093

85, 4.892, 303.746

41, 94.870,
308.744

92, 6.901, 123.260

36, 105.190,
309.123

98, 18.291,
122.808

33, 112.401,
309.064

99, 17.732,
108.837

31, 115.322,
308.872

Harmonies

Complementary

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



65, 42.739, 305.720



84, 40.033, 121.691

Rectangle

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



65, 42.739, 305.720



65, 42.739, 355.720



65, 42.739, 125.720



65, 42.739, 175.720

Sweetspot

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



65, 42.737, 305.720



92, 13.587, 304.094



76, 20.502, 239.808



48, 9.292, 304.179



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, 42.737, 305.720



69, 58.545, 306.283



69, 46.288, 321.339



43, 6.818, 304.056



24, 96.385, 309.030



3, 30.358, 303.835

Inverse Universe

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



69, 38.064, 338.906



75, 51.329, 339.582



82, 45.734, 137.866



43, 6.272, 336.875



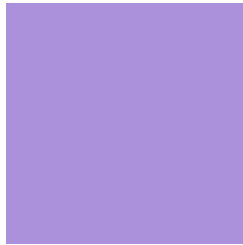
38, 67.286, 348.340



6, 27.193, 344.014

Previews

White Background



This preview shows how the CIELCh color 65, 42.739, 305.720 looks on a white background.

Color Contrast Check

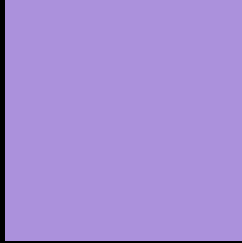
Large Text (above 18pt) WCAG AA × Fail

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, 42.739, 305.720 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, 42.739, 305.720

Background



This preview shows how black text looks on a background with the CIELCh color 65, 42.739, 305.720.



This preview shows how white text looks on a background with the CIELCh color 65, 42.739, 305.720.

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, 42.739, 305.720

Protanopia
65, 40.780, 285.519

Deuteranopia
65, 34.649, 284.948



Tritanopia
65, 7.731, 310.713

Trichromacy



Original Color
65, 42.739, 305.720

Protanomaly
65, 41.171, 292.662

Deuteranomaly
65, 37.270, 293.493

Tritanomaly
65, 20.764, 306.131

Monochromacy



Original Color
65, 42.739, 305.720

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 15.498, 305.215

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 42.739, 305.720 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(171, 145, 220)` looks like.

```
.text, #text, p{  
    color:rgb(171, 145, 220)  
}
```

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(171, 145, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 145, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 42.739, 305.720 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(171, 145, 220) }
```

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

```
.border{ border-color:rgb(171, 145, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 145, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 145, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 145, 220); box-shadow:4px 4px 4px 4px rgb(171, 145, 220) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 42.739, 305.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 145, 220) }
```

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

```
.background{ background-color: rgb(171,  
145, 220) }
```

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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