

Converting Colors

CIELCh(65, 51.202, 309.407)

Have a look what the booklet for
CIELCh(65, 51.202, 309.407)
contains.

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Color

CIELCh(65, 51.206, 309.394)

Conversions

Conversions Part 1

Format	Color
Hex	B48CE5
RGB	180, 140, 229
RGB Percent	71%, 55%, 90%
CMY	0.2947, 0.4515, 0.1026
CMYK	0.21, 0.39, 0.00, 0.10
HSL	267°, 63%, 72%
HSV	267°, 39%, 90%
XYZ	42.2645, 34.0472, 78.3577
YIQ	162.1060, -4.7290, 36.1590

Conversions

Conversions Part 2

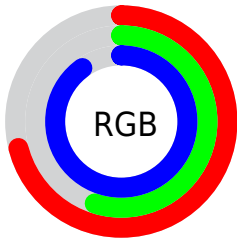
Format	Color
RYB	180, 140, 229
Decimal	11832549
CIELab	65.00, 32.50, -39.57
CIELCh	65, 51.206, 309.394
Yxy	34.0472, 0.2733, 0.2201
Android (android.graphics.Color)	4290022629 (0xFFB48CE5)
YUV	162.1060, 32.9787, 15.6930
Hunter-Lab	58.3500, 27.1801, -38.7751

Details

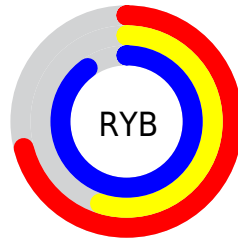
The CIELCh color **65, 51.206, 309.394** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86, 48.073, 125.394**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 35.461, 316.918**, and **45, 51.242, 309.292** is the 20% darker color. If you saturate the color by 10%, you get **59, 64.917, 310.006**, and if you desaturate by 10%, it is **72, 37.582, 308.790**.

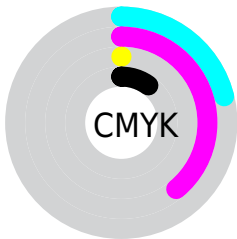
Distribution



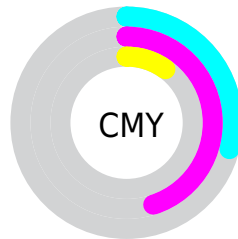
- Red (71%)
- Green (55%)
- Blue (90%)



- Red (71%)
- Yellow (55%)
- Blue (90%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (10%)





- Cyan (29%)
- Magenta (45%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.206, 309.394 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, 51.206, 309.394 by changing the saturation by 10% instead.

 65, 51.206,
309.394


 65, 51.206,
309.394


 100, 51.206,
309.394


 55, 51.206,
309.394


 85, 51.206,
309.394

 45, 51.206,
309.394

 95, 51.206,
309.394

 35, 51.206,
309.394

 25, 51.206,
309.394

 15, 51.206,
309.394

 5, 51.206, 309.394

 0, 51.206, 309.394

65, 51.206,
309.394

65, 51.206,
309.394

59, 64.917,
310.006

72, 37.582,
308.790

53, 78.395,
310.582

78, 24.228,
308.220

47, 91.095,
311.051

85, 11.229,
307.692

42, 102.193,
311.306

92, 1.376, 127.314

38, 110.668,
311.218

98, 13.579,
126.822

35, 115.906,
310.714

99, 13.237,
109.177

35, 116.415,
310.656

Harmonies

Complementary

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



65, 51.206, 309.394



86, 48.073, 125.394

Rectangle

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



65, 51.206, 309.394



65, 51.206, 359.394



65, 51.206, 129.394



65, 51.206, 179.394

Sweetspot

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



65, 51.204, 309.394



91, 16.638, 307.856



75, 25.432, 254.166



48, 11.058, 307.925



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, 51.204, 309.394



66, 68.070, 309.909



69, 55.596, 324.564



45, 7.201, 307.722



27, 96.491, 310.836



4, 35.316, 309.243

Inverse Universe

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



69, 41.886, 344.632



71, 54.812, 345.664



84, 55.406, 139.996



45, 6.058, 341.735



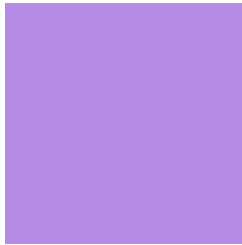
39, 65.651, 357.181



7, 28.178, 351.204

Previews

White Background



This preview shows how the CIELCh color 65, 51.206, 309.394 looks on a white background.

Color Contrast Check

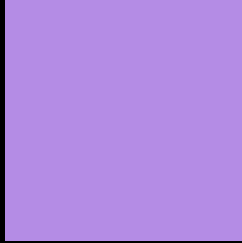
Large Text (above 18pt) WCAG AA × Fail

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, 51.206, 309.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

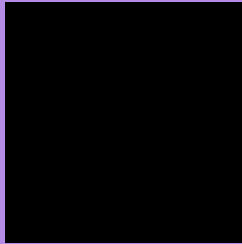
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 51.206, 309.394

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.206, 309.394.



This preview shows how white text looks on a background with the CIELCh color 65, 51.206, 309.394.

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, 51.206, 309.394

Protanopia
65, 48.006, 285.608

Deuteranopia
65, 38.696, 283.422



Tritanopia
65, 9.066, 332.913

Trichromacy



Original Color
65, 51.206, 309.394

Protanomaly
65, 48.938, 294.073

Deuteranomaly
65, 42.309, 294.063

Tritanomaly
65, 24.129, 314.212

Monochromacy



Original Color
65, 51.206, 309.394

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 18.560, 307.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.206, 309.394 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(180, 140, 229)` looks like.

```
.text, #text, p{  
    color:rgb(180, 140, 229)  
}
```

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(180, 140, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 140, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.206, 309.394 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(180, 140, 229) }
```

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

```
.border{ border-color:rgb(180, 140, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 140, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 140, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 140, 229);  
box-shadow:4px 4px 4px 4px rgb(180, 140,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.206, 309.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 140, 229) }
```

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

```
.background{ background-color: rgb(180,  
140, 229) }
```

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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