

Converting Colors

CIELCh(51, 86.823, 314.605)

Have a look what the booklet for
CIELCh(51, 86.823, 314.605)
contains.

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Color

CIELCh(51, 86.855, 314.611)

Conversions

Conversions Part 1

Format	Color
Hex	A64FE5
RGB	166, 79, 229
RGB Percent	65%, 31%, 90%
CMY	0.3502, 0.6913, 0.1031
CMYK	0.28, 0.66, 0.00, 0.10
HSL	275°, 74%, 60%
HSV	275°, 66%, 90%
XYZ	32.5426, 19.2686, 75.9194
YIQ	122.1130, 3.7020, 65.0940

Conversions

Conversions Part 2

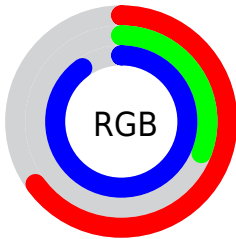
Format	Color
RYB	166, 79, 229
Decimal	10899429
CIELab	51.00, 61.00, -61.83
CIElCh	51, 86.855, 314.611
Yxy	19.2686, 0.2548, 0.1509
Android (android.graphics.Color)	4289089509 (0xFFA64FE5)
YUV	122.1130, 52.6953, 38.4889
Hunter-Lab	43.8960, 55.5141, -71.8166

Details

The CIELCh color **51, 86.855, 314.611** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **83, 80.477, 128.992**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 71.650, 319.444**, and **31, 86.599, 314.723** is the 20% darker color. If you saturate the color by 10%, you get **46, 97.698, 314.727**, and if you desaturate by 10%, it is **56, 74.434, 314.308**.

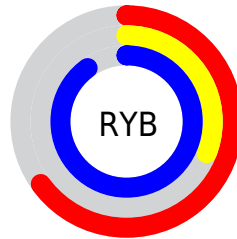
Distribution



Red (65%)

Green (31%)

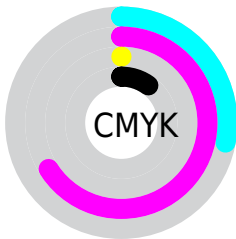
Blue (90%)



Red (65%)

Yellow (31%)

Blue (90%)

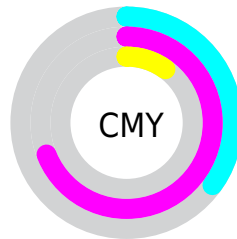


Cyan (28%)

Magenta (66%)

Yellow (0%)

Black (10%)



Cyan (35%)


Magenta (69%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 86.855, 314.611 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 51, 86.855, 314.611 by changing the saturation by 10% instead.


 51, 86.855,
314.611


 51, 86.855,
314.611


 100, 86.855,
314.611


 41, 86.855,
314.611


 71, 86.855,
314.611

 31, 86.855,
314.611

 81, 86.855,
314.611

 21, 86.855,
314.611

 91, 86.855,
314.611

 11, 86.855,
314.611

 1, 86.855, 314.611

 0, 86.855, 314.611

51, 86.855,
314.611

51, 86.855,
314.611

46, 97.698,
314.727

56, 74.434,
314.308

43, 106.128,
314.561

62, 61.151,
313.895

40, 111.455,
314.026

68, 47.517,
313.429

39, 113.114,
313.716


74, 33.864,
312.949

81, 20.391,
312.479

87, 7.210, 312.022

94, 5.619, 131.664

98, 14.100,
127.655

 99, 13.356,
113.570

Harmonies

Complementary

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



51, 86.855, 314.611



83, 80.477, 128.992

Rectangle

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



51, 86.855, 314.611



51, 86.855, 4.611



51, 86.855, 134.611



51, 86.855, 184.611

Sweetspot

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



51, 86.854, 314.611



86, 28.751, 312.690



59, 49.578, 276.787



44, 19.678, 312.824



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51, 86.854, 314.611



50, 110.003, 314.701



59, 84.728, 329.838



45, 7.399, 312.199



30, 93.837, 313.895



5, 36.108, 313.884

Inverse Universe

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



56, 63.125, 357.490



58, 77.925, 1.579



81, 86.503, 140.120



45, 5.559, 348.995



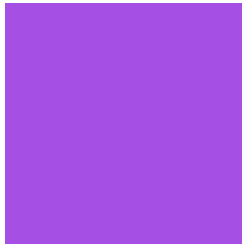
38, 64.699, 9.581



7, 27.009, 0.895

Previews

White Background



This preview shows how the CIELCh color 51, 86.855, 314.611 looks on a white background.

Color Contrast Check

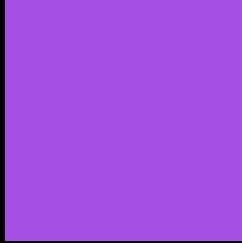
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 86.855, 314.611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

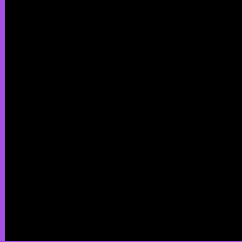
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 86.855, 314.611

Background



This preview shows how black text looks on a background with the CIELCh color 51, 86.855, 314.611.



This preview shows how white text looks on a background with the CIELCh color 51, 86.855, 314.611.

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
51, 86.855, 314.611

Protanopia
51, 76.739, 287.746

Deuteranopia
51, 57.339, 277.682



Tritanopia
51, 15.295, 1.431

Trichromacy



Original Color
51, 86.855, 314.611



Protanomaly
48, 81.034, 294.054



Deuteranomaly
48, 67.478, 289.945



Tritanomaly
50, 39.844, 323.466

Monochromacy



Original Color
51, 86.855, 314.611



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 34.245, 313.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 86.855, 314.611 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(166, 79, 229)` looks like.

```
.text, #text, p{  
    color:rgb(166, 79, 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(166, 79, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 79, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 86.855, 314.611 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(166, 79, 229) }
```

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

```
.border{ border-color:rgb(166, 79, 229) }
```

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

Here you see how a box with a 4 pixel rgb(166, 79, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 79, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 79, 229);  
box-shadow:4px 4px 4px 4px rgb(166, 79,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 86.855, 314.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 79, 229) }
```

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

```
.background{ background-color: rgb(166, 79,  
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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