

Converting Colors

CIELCh(51, 86.770, 314.420)

Have a look what the booklet for
CIELCh(51, 86.770, 314.420)
contains.

CIELCh(51, 86.855, 314.416)	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(51, 86.855, 314.416)

Conversions

Conversions Part 1

Format	Color
Hex	A54FE5
RGB	165, 79, 229
RGB Percent	65%, 31%, 90%
CMY	0.3527, 0.6899, 0.1017
CMYK	0.28, 0.65, 0.00, 0.10
HSL	274°, 74%, 60%
HSV	274°, 65%, 90%
XYZ	32.4838, 19.2686, 76.1859
YIQ	121.8140, 3.1060, 64.8820

Conversions

Conversions Part 2

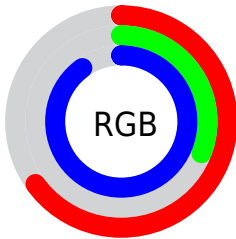
Format	Color
R _Y B	165, 79, 229
Decimal	10833893
CIE Lab	51.00, 60.79, -62.04
CIE LCh	51, 86.855, 314.416
Yxy	19.2686, 0.2539, 0.1506
Android (android.graphics.Color)	4289023973 (0xFFA54FE5)
YUV	121.8140, 52.8427, 37.8741
Hunter-Lab	43.8960, 55.2750, -72.1765

Details

The CIELCh color **51, 86.855, 314.416** 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, 80.329, 128.784**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 71.567, 319.189**, and **31, 86.683, 314.545** is the 20% darker color. If you saturate the color by 10%, you get **46, 97.774, 314.542**, and if you desaturate by 10%, it is **56, 74.377, 314.104**.

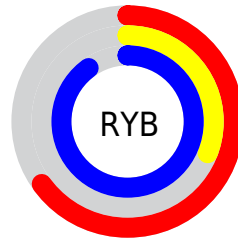
Distribution



Red (65%)

Green (31%)

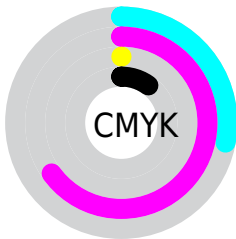
Blue (90%)



Red (65%)

Yellow (31%)

Blue (90%)

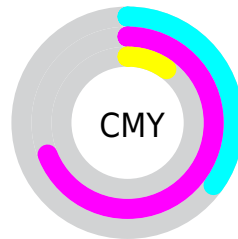


Cyan (28%)

Magenta (65%)

Yellow (0%)

Black (10%)



Cyan (35%)


Magenta (69%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 86.855, 314.416 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, 314.416 by changing the saturation by 10% instead.


 51, 86.855,
314.416


 51, 86.855,
314.416


 100, 86.855,
314.416


 41, 86.855,
314.416


 71, 86.855,
314.416

 31, 86.855,
314.416

 81, 86.855,
314.416

 21, 86.855,
314.416

 91, 86.855,
314.416

 11, 86.855,
314.416

 1, 86.855, 314.416

 0, 86.855, 314.416

■ 51, 86.855,
314.416

■ 51, 86.855,
314.416

■ 46, 97.774,
314.542

■ 56, 74.377,
314.104

■ 43, 106.291,
314.385

■ 62, 61.057,
313.683

■ 40, 111.699,
313.856

■ 68, 47.401,
313.212

■ 39, 113.410,
313.540


■ 75, 33.738,
312.728

■ 81, 20.263,
312.255

■ 87, 7.087, 311.796

■ 94, 5.735, 131.437

■ 99, 13.846,
126.940

 99, 13.150,
112.297

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, 314.416



83, 80.329, 128.784

Rectangle

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



51, 86.855, 314.416



51, 86.855, 4.416



51, 86.855, 134.416



51, 86.855, 184.416

Sweetspot

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



51, 86.854, 314.416



86, 28.712, 312.472



59, 49.570, 276.756



44, 19.652, 312.606



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, 314.416



50, 110.074, 314.519



59, 84.749, 329.834



45, 7.388, 311.978



30, 93.968, 313.721



5, 36.070, 313.649

Inverse Universe

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



56, 63.266, 356.985



58, 78.020, 1.040



81, 86.515, 140.132



45, 5.582, 348.597



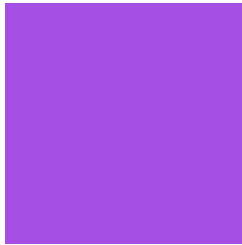
38, 64.660, 8.941



7, 27.045, 0.426

Previews

White Background



This preview shows how the CIELCh color 51, 86.855, 314.416 looks on a white background.

Color Contrast Check

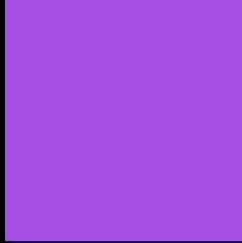
Large Text (above 18pt) WCAG AA ✓ Pass

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, 314.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

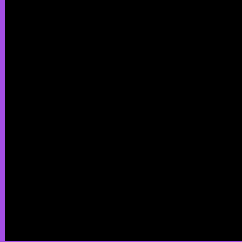
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 86.855, 314.416

Background



This preview shows how black text looks on a background with the CIELCh color 51, 86.855, 314.416.



This preview shows how white text looks on a background with the CIELCh color 51, 86.855, 314.416.

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, 314.416

Protanopia

51, 76.739, 287.746

Deuteranopia

51, 56.825, 277.353



Tritanopia
51, 14.902, 0.817

Trichromacy



Original Color
51, 86.855, 314.416



Protanomaly
48, 81.034, 294.054



Deuteranomaly
48, 67.478, 289.945



Tritanomaly
50, 39.695, 322.965

Monochromacy



Original Color
51, 86.855, 314.416



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, 314.416 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(165, 79, 229)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 79, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 79, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 86.855, 314.416 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(165, 79, 229) }
```

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

```
.border{ border-color:rgb(165, 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(165, 79, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 79, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 79, 229);  
box-shadow:4px 4px 4px 4px rgb(165, 79,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 86.855, 314.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 79, 229) }
```

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

```
.background{ background-color: rgb(165, 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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