

Converting Colors

CIELCh(53, 67.273, 316.211)

Have a look what the booklet for
CIELCh(53, 67.273, 316.211)
contains.

CIELCh(53, 67.279, 316.451)	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(53, 67.279, 316.451)

Conversions

Conversions Part 1

Format	Color
Hex	A85FCF
RGB	168, 95, 207
RGB Percent	66%, 37%, 81%
CMY	0.3408, 0.6271, 0.1878
CMYK	0.19, 0.54, 0.00, 0.19
HSL	279°, 54%, 59%
HSV	279°, 54%, 81%
XYZ	31.5444, 21.0462, 61.4949
YIQ	129.5950, 7.5560, 50.3080

Conversions

Conversions Part 2

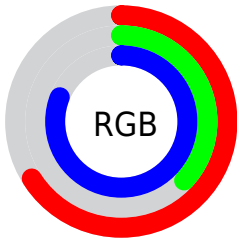
Format	Color
R _Y B	168, 95, 207
Decimal	11034575
CIE Lab	53.00, 48.76, -46.35
CIE LCh	53, 67.279, 316.451
Yxy	21.0462, 0.2765, 0.1845
Android (android.graphics.Color)	4289224655 (0xFFA85FCF)
YUV	129.5950, 38.1607, 33.6812
Hunter-Lab	45.8761, 42.4531, -47.3623

Details

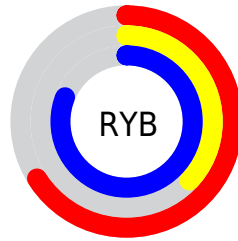
The CIELCh color **53, 67.279, 316.451** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **76, 64.127, 131.580**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 62.714, 318.150**, and **33, 67.460, 316.510** is the 20% darker color. If you saturate the color by 10%, you get **48, 78.647, 316.715**, and if you desaturate by 10%, it is **58, 55.065, 316.083**.

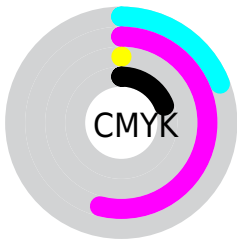
Distribution



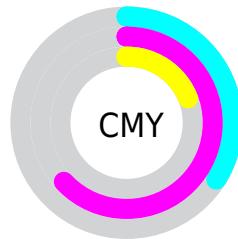
- Red (66%)
- Green (37%)
- Blue (81%)



- Red (66%)
- Yellow (37%)
- Blue (81%)



- Cyan (19%)
- Magenta (54%)
- Yellow (0%)
- Black (19%)





- Cyan (34%)
- Magenta (63%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 67.279, 316.451 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 53, 67.279, 316.451 by changing the saturation by 10% instead.


 53, 67.279,
316.451


 53, 67.279,
316.451


 100, 67.279,
316.451


 43, 67.279,
316.451


 73, 67.279,
316.451

 33, 67.279,
316.451

 83, 67.279,
316.451

 23, 67.279,
316.451

 93, 67.279,
316.451

 13, 67.279,
316.451

 3, 67.279, 316.451

 0, 67.279, 316.451

53, 67.279,
316.451

53, 67.279,
316.451

48, 78.647,
316.715

58, 55.065,
316.083

44, 88.563,
316.809

64, 42.470,
315.659

41, 96.327,
316.659

69, 29.801,
315.214

38, 101.370,
316.193

75, 17.255,
314.769

37, 103.370,
315.809

81, 4.949, 314.321

87, 7.053, 133.983

93, 18.723,
133.601

97, 26.613,
131.983

■ 97, 25.621,
126.747

Harmonies

Complementary

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



53, 67.279, 316.451



76, 64.127, 131.580

Rectangle

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



53, 67.279, 316.451



53, 67.279, 6.451



53, 67.279, 136.451



53, 67.279, 186.451

Sweetspot

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



53, 67.277, 316.451



89, 23.262, 314.862



56, 42.401, 280.111



46, 15.739, 314.955



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 67.277, 316.451



58, 94.119, 316.745



57, 63.616, 332.199



41, 6.970, 314.564



30, 88.496, 315.959



3, 27.875, 313.801

Inverse Universe

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



55, 48.274, 360.000



62, 67.215, 2.857



75, 64.137, 143.973



41, 4.935, 353.530



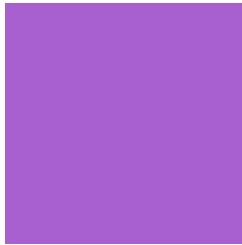
35, 62.877, 16.222



5, 20.703, 3.039

Previews

White Background



This preview shows how the CIELCh color 53, 67.279, 316.451 looks on a white background.

Color Contrast Check

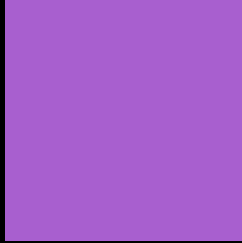
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 67.279, 316.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

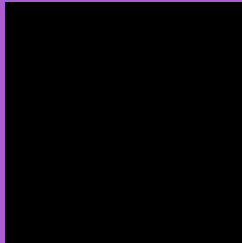
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 67.279, 316.451

Background



This preview shows how black text looks on a background with the CIELCh color 53, 67.279, 316.451.



This preview shows how white text looks on a background with the CIELCh color 53, 67.279, 316.451.

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
53, 67.279, 316.451

Protanopia
53, 64.193, 287.146

Deuteranopia
53, 43.480, 280.473



Tritanopia
53, 16.781, 3.548

Trichromacy



Original Color
53, 67.279, 316.451



Protanomaly
52, 64.106, 295.904



Deuteranomaly
52, 51.015, 296.463



Tritanomaly
52, 33.259, 329.003

Monochromacy



Original Color
53, 67.279, 316.451



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 25.825, 315.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 67.279, 316.451 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(168, 95, 207)` looks like.

```
.text, #text, p{  
    color:rgb(168, 95, 207)  
}
```

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(168, 95, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 95, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 67.279, 316.451 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(168, 95, 207) }
```

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

```
.border{ border-color:rgb(168, 95, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 95, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 95, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 95, 207);  
box-shadow:4px 4px 4px 4px rgb(168, 95,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 67.279, 316.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 95, 207) }
```

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

```
.background{ background-color: rgb(168, 95,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor