

Converting Colors

CIELCh(51, 69.948, 316.011)

Have a look what the booklet for
CIELCh(51, 69.948, 316.011)
contains.

CIELCh(51, 69.576, 316.102)	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, 69.576, 316.102)

Conversions

Conversions Part 1

Format	Color
Hex	A359CD
RGB	163, 89, 205
RGB Percent	64%, 35%, 80%
CMY	0.3617, 0.6518, 0.1970
CMYK	0.21, 0.57, 0.00, 0.20
HSL	278°, 54%, 58%
HSV	278°, 57%, 80%
XYZ	29.6040, 19.2686, 59.7710
YIQ	124.3500, 6.8680, 51.7640

Conversions

Conversions Part 2

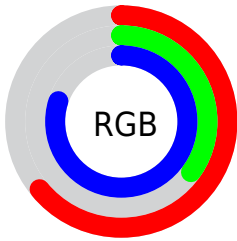
Format	Color
RYB	163, 89, 205
Decimal	10705357
CIELab	51.00, 50.13, -48.24
CIELCh	51, 69.576, 316.102
Yxy	19.2686, 0.2725, 0.1774
Android (android.graphics.Color)	4288895437 (0xFFA359CD)
YUV	124.3500, 39.7605, 33.8961
Hunter-Lab	43.8960, 43.5644, -50.0050

Details

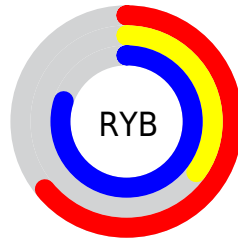
The CIELCh color **51, 69.576, 316.102** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **76, 65.988, 131.054**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 65.889, 317.321**, and **31, 69.431, 316.117** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.602, 316.340**, and if you desaturate by 10%, it is **56, 57.604, 315.746**.

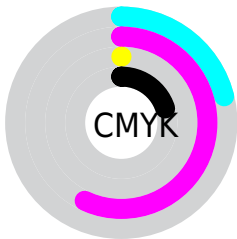
Distribution



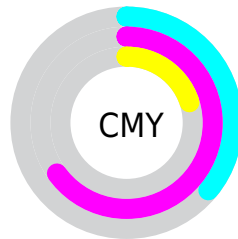
- Red (64%)
- Green (35%)
- Blue (80%)



- Red (64%)
- Yellow (35%)
- Blue (80%)



- Cyan (21%)
- Magenta (57%)
- Yellow (0%)
- Black (20%)





- Cyan (36%)
- Magenta (65%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 69.576, 316.102 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, 69.576, 316.102 by changing the saturation by 10% instead.


 51, 69.576,
316.102


 51, 69.576,
316.102


 100, 69.576,
316.102


 41, 69.576,
316.102


 71, 69.576,
316.102

 31, 69.576,
316.102

 81, 69.576,
316.102

 21, 69.576,
316.102

 91, 69.576,
316.102

 11, 69.576,
316.102

 1, 69.576, 316.102

 0, 69.576, 316.102

51, 69.576,
316.102

51, 69.576,
316.102

46, 80.602,
316.340

56, 57.604,
315.746

42, 90.043,
316.389

61, 45.180,
315.326

39, 97.202,
316.170

67, 32.637,
314.879

37, 101.611,
315.620

73, 20.190,
314.430


36, 102.781,
315.406

78, 7.966, 313.987

84, 3.965, 133.645

90, 15.569,
133.241

96, 26.834,
132.897

 97, 27.175,
128.433

Harmonies

Complementary

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



51, 69.576, 316.102



76, 65.988, 131.054

Rectangle

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



51, 69.576, 316.102



51, 69.576, 6.102



51, 69.576, 136.102



51, 69.576, 186.102

Sweetspot

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



51, 69.575, 316.102



88, 24.664, 314.456



55, 43.049, 279.525



46, 16.532, 314.546



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, 69.575, 316.102



57, 97.769, 316.370



56, 66.264, 331.735



40, 6.806, 314.110



29, 87.739, 315.564



3, 25.396, 312.190

Inverse Universe

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



54, 50.123, 359.534



61, 69.844, 2.649



74, 67.001, 143.154



40, 4.873, 352.617



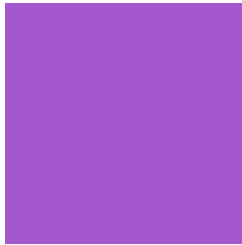
35, 61.896, 14.833



4, 18.856, 1.653

Previews

White Background



This preview shows how the CIELCh color 51, 69.576, 316.102 looks on a white background.

Color Contrast Check

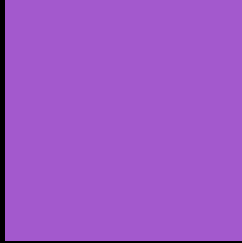
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.576, 316.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

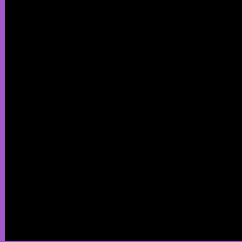
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 69.576, 316.102

Background



This preview shows how black text looks on a background with the CIELCh color 51, 69.576, 316.102.

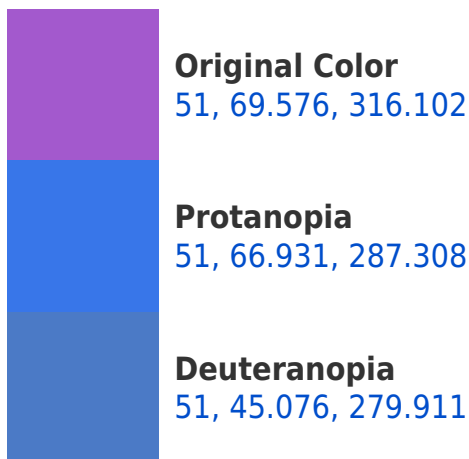



This preview shows how white text looks on a background with the CIELCh color 51, 69.576, 316.102.

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





Tritanopia
51, 16.509, 3.133

Trichromacy



Original Color
51, 69.576, 316.102



Protanomaly
50, 67.463, 295.613



Deuteranomaly
50, 52.516, 295.565



Tritanomaly
50, 33.683, 327.878

Monochromacy



Original Color
51, 69.576, 316.102



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 26.555, 315.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 69.576, 316.102 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(163, 89, 205)` looks like.

```
.text, #text, p{  
    color:rgb(163, 89, 205)  
}
```

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(163, 89, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 89, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 69.576, 316.102 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(163, 89, 205) }
```

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

```
.border{ border-color:rgb(163, 89, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 89, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 89, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 89, 205); box-shadow:4px 4px 4px 4px rgb(163, 89, 205) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 69.576, 316.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 89, 205) }
```

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

```
.background{ background-color: rgb(163, 89,  
205) }
```

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