

Converting Colors

CIELCh(51, 71.750, 316.506)

Have a look what the booklet for
CIELCh(51, 71.750, 316.506)
contains.

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Color

CIELCh(51, 71.792, 316.514)

Conversions

Conversions Part 1

Format	Color
Hex	A557CF
RGB	165, 87, 207
RGB Percent	65%, 34%, 81%
CMY	0.3536, 0.6594, 0.1889
CMYK	0.20, 0.58, 0.00, 0.19
HSL	279°, 55%, 58%
HSV	279°, 58%, 81%
XYZ	30.1188, 19.2686, 61.0538
YIQ	124.0020, 7.9680, 53.8560

Conversions

Conversions Part 2

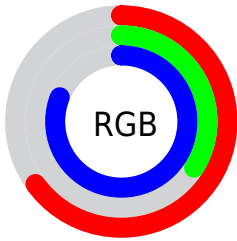
Format	Color
RYB	165, 87, 207
Decimal	10835919
CIELab	51.00, 52.09, -49.41
CIELCh	51, 71.792, 316.514
Yxy	19.2686, 0.2727, 0.1745
Android (android.graphics.Color)	4289025999 (0xFFA557CF)
YUV	124.0020, 40.9180, 35.9552
Hunter-Lab	43.8960, 45.6579, -51.7376

Details

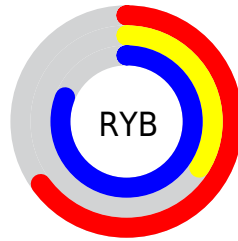
The CIELCh color **51, 71.792, 316.514** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **76, 68.204, 131.359**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 67.348, 318.336**, and **31, 71.704, 316.574** is the 20% darker color. If you saturate the color by 10%, you get **46, 82.667, 316.721**, and if you desaturate by 10%, it is **56, 59.853, 316.179**.

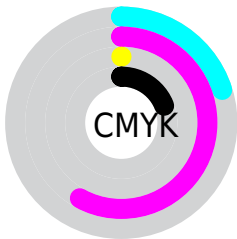
Distribution



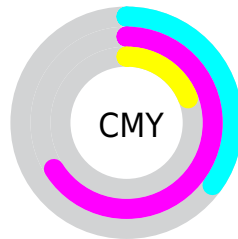
- Red (65%)
- Green (34%)
- Blue (81%)



- Red (65%)
- Yellow (34%)
- Blue (81%)



- Cyan (20%)
- Magenta (58%)
- Yellow (0%)
- Black (19%)





- Cyan (35%)
- Magenta (66%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 71.792, 316.514 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, 71.792, 316.514 by changing the saturation by 10% instead.


 51, 71.792,
316.514


 51, 71.792,
316.514


 100, 71.792,
316.514


 41, 71.792,
316.514


 71, 71.792,
316.514

 31, 71.792,
316.514

 81, 71.792,
316.514

 21, 71.792,
316.514

 91, 71.792,
316.514

 11, 71.792,
316.514

 1, 71.792, 316.514

 0, 71.792, 316.514

51, 71.792,
316.514

51, 71.792,
316.514

46, 82.667,
316.721

56, 59.853,
316.179

43, 91.823,
316.730

61, 47.376,
315.771

40, 98.576,
316.463

67, 34.722,
315.331

37, 102.624,
315.880

73, 22.127,
314.884


37, 103.306,
315.755

78, 9.735, 314.442

84, 2.373, 134.123

90, 14.158,
133.685

96, 25.601,
133.333

 97, 26.137,
128.885

Harmonies

Complementary

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



51, 71.792, 316.514



76, 68.204, 131.359

Rectangle

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



51, 71.792, 316.514



51, 71.792, 6.514



51, 71.792, 136.514



51, 71.792, 186.514

Sweetspot

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



51, 71.791, 316.514



88, 24.732, 314.848



55, 44.497, 279.943



46, 16.577, 314.938



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, 71.791, 316.514



56, 100.086, 316.747



56, 68.116, 331.820



41, 6.967, 314.504



30, 88.528, 315.905



3, 27.858, 313.720

Inverse Universe

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



54, 51.480, 0.739



60, 71.283, 4.212



75, 68.977, 142.970



41, 4.940, 353.410



35, 62.839, 16.050



5, 20.712, 2.939

Previews

White Background



This preview shows how the CIELCh color 51, 71.792, 316.514 looks on a white background.

Color Contrast Check

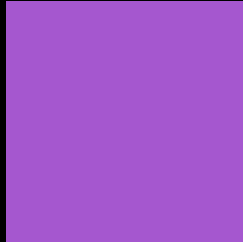
Large Text (above 18pt) WCAG AA ✓ Pass

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, 71.792, 316.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

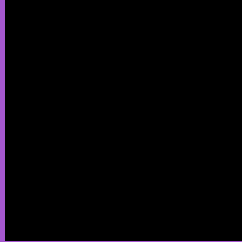
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 71.792, 316.514

Background



This preview shows how black text looks on a background with the CIELCh color 51, 71.792, 316.514.

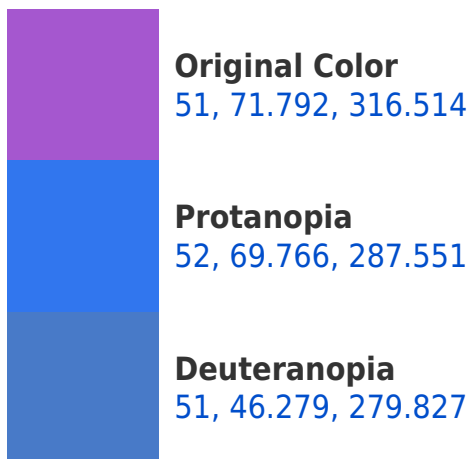


This preview shows how white text looks on a background with the CIELCh color 51, 71.792, 316.514.

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, 17.197, 6.011

Trichromacy



Original Color
51, 71.792, 316.514

Protanomaly
50, 69.746, 295.243

Deuteranomaly
50, 54.290, 295.816

Tritanomaly
50, 34.740, 329.007

Monochromacy



Original Color
51, 71.792, 316.514

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 27.902, 315.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 71.792, 316.514 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, 87, 207)` looks like.

```
.text, #text, p{  
    color:rgb(165, 87, 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(165, 87, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 87, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 71.792, 316.514 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, 87, 207) }
```

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

```
.border{ border-color:rgb(165, 87, 207) }
```

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

Here you see how a box with a 4 pixel rgb(165, 87, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 87, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 87, 207);  
box-shadow:4px 4px 4px 4px rgb(165, 87,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 71.792, 316.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 87, 207) }
```

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

```
.background{ background-color: rgb(165, 87,  
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](#).

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