

Converting Colors

CIELCh(51, 79.790, 314.539)

Have a look what the booklet for
CIELCh(51, 79.790, 314.539)
contains.

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Color

CIELCh(51, 79.790, 314.539)

Conversions

Conversions Part 1

Format	Color
Hex	A354DC
RGB	163, 84, 220
RGB Percent	64%, 33%, 86%
CMY	0.3611, 0.6709, 0.1376
CMYK	0.26, 0.62, 0.00, 0.14
HSL	275°, 66%, 60%
HSV	275°, 62%, 86%
XYZ	31.1580, 19.2686, 69.7271
YIQ	123.1250, 3.4280, 59.0440

Conversions

Conversions Part 2

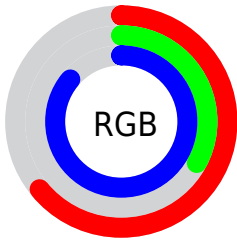
Format	Color
R _Y B	163, 84, 220
Decimal	10704092
CIE Lab	51.00, 55.96, -56.87
CIE LCh	51, 79.790, 314.539
Yxy	19.2686, 0.2593, 0.1604
Android (android.graphics.Color)	4288894172 (0xFFA354DC)
YUV	123.1250, 47.7594, 34.9704
Hunter-Lab	43.8960, 49.8836, -63.4527

Details

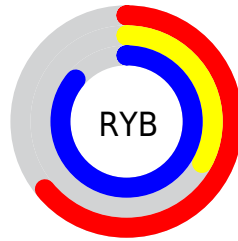
The CIELCh color **51, 79.790, 314.539** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **80, 74.249, 129.105**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 68.964, 318.071**, and **31, 79.757, 314.627** is the 20% darker color. If you saturate the color by 10%, you get **46, 90.975, 314.737**, and if you desaturate by 10%, it is **56, 67.367, 314.187**.

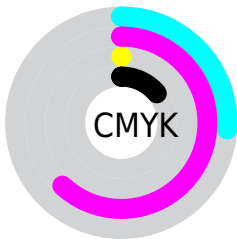
Distribution



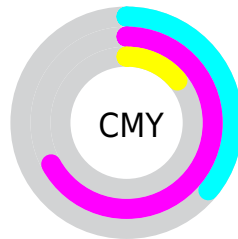
- Red (64%)
- Green (33%)
- Blue (86%)



- Red (64%)
- Yellow (33%)
- Blue (86%)



- Cyan (26%)
- Magenta (62%)
- Yellow (0%)
- Black (14%)





- Cyan (36%)
- Magenta (67%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 79.790, 314.539 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, 79.790, 314.539 by changing the saturation by 10% instead.


 51, 79.790,
314.539


 51, 79.790,
314.539


 100, 79.790,
314.539


 41, 79.790,
314.539


 71, 79.790,
314.539

 31, 79.790,
314.539

 81, 79.790,
314.539

 21, 79.790,
314.539

 91, 79.790,
314.539

 11, 79.790,
314.539

 1, 79.790, 314.539

 0, 79.790, 314.539

51, 79.790,
314.539

51, 79.790,
314.539

46, 90.975,
314.737

56, 67.367,
314.187

42, 100.146,
314.692

62, 54.322,
313.750

39, 106.535,
314.311

68, 41.078,
313.277

37, 109.778,
313.767

74, 27.900,
312.800

80, 14.944,
312.338

87, 2.298, 311.852

93, 9.999, 131.541

98, 19.048,
129.259

■ 99, 18.095,
119.450

Harmonies

Complementary

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



51, 79.790, 314.539



80, 74.249, 129.105

Rectangle

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



51, 79.790, 314.539



51, 79.790, 4.539



51, 79.790, 134.539



51, 79.790, 184.539

Sweetspot

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



51, 79.789, 314.539



87, 27.287, 312.675



59, 45.270, 275.464



44, 18.842, 312.810



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, 79.789, 314.539



52, 104.850, 314.753



58, 78.660, 329.660



43, 7.128, 312.229



29, 91.807, 313.944



4, 31.875, 312.655

Inverse Universe

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



56, 58.336, 356.637



59, 74.977, 0.014



78, 79.950, 140.619



43, 5.351, 349.048



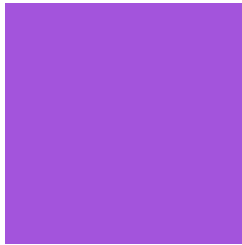
37, 63.322, 9.553



6, 24.410, 359.993

Previews

White Background



This preview shows how the CIELCh color 51, 79.790, 314.539 looks on a white background.

Color Contrast Check

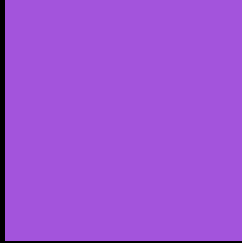
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 79.790, 314.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

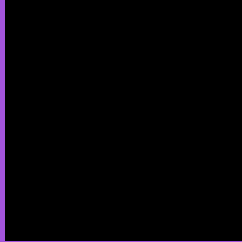
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 79.790, 314.539

Background



This preview shows how black text looks on a background with the CIELCh color 51, 79.790, 314.539.

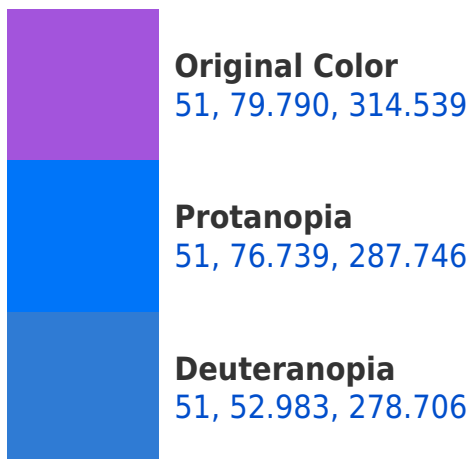


This preview shows how white text looks on a background with the CIELCh color 51, 79.790, 314.539.

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, 14.902, 0.817

Trichromacy



Original Color
51, 79.790, 314.539



Protanomaly
49, 77.615, 292.923



Deuteranomaly
49, 61.843, 293.011



Tritanomaly
50, 36.776, 323.626

Monochromacy



Original Color
51, 79.790, 314.539



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 30.589, 313.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 79.790, 314.539 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, 84, 220)` looks like.

```
.text, #text, p{  
    color:rgb(163, 84, 220)  
}
```

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, 84, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 84, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 79.790, 314.539 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, 84, 220) }
```

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

```
.border{ border-color:rgb(163, 84, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 84, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 84, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 84, 220);  
box-shadow:4px 4px 4px 4px rgb(163, 84,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 79.790, 314.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 84, 220) }
```

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

```
.background{ background-color: rgb(163, 84,  
220) }
```

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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