

Converting Colors

CIELCh(51, 104.742, 312.962)

Have a look what the booklet for
CIELCh(51, 104.742, 312.962)
contains.

CIELCh(51, 104.552, 312.884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(51, 104.552, 312.884)

Conversions

Conversions Part 1

Format	Color
Hex	A444FF
RGB	164, 68, 255
RGB Percent	64%, 27%, 100%
CMY	0.3566, 0.7330, 0.0000
CMYK	0.36, 0.73, 0.00, 0.00
HSL	271°, 100%, 63%
HSV	271°, 73%, 100%
XYZ	35.4591, 19.2686, 96.5224
YIQ	118.0220, -2.8110, 78.5090

Conversions

Conversions Part 2

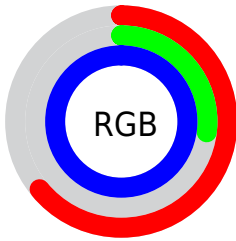
Format	Color
RYB	164, 68, 255
Decimal	10765567
CIELab	51.00, 71.15, -76.61
CIELCh	51, 104.552, 312.884
Yxy	19.2686, 0.2344, 0.1274
Android (android.graphics.Color)	4288955647 (0xFFA444FF)
YUV	118.0220, 67.5302, 40.3227
Hunter-Lab	43.8960, 67.3738, -99.6448

Details

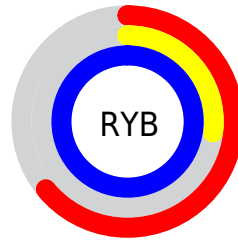
The CIELCh color **51, 104.552, 312.884** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **91, 93.880, 126.806**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 76.813, 320.086**, and **32, 102.182, 312.501** is the 20% darker color. If you saturate the color by 10%, you get **46, 114.832, 312.869**, and if you desaturate by 10%, it is **57, 91.814, 312.635**.

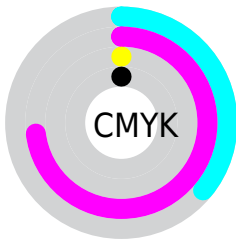
Distribution



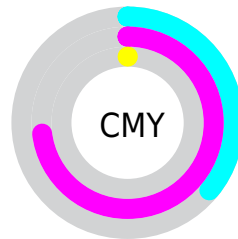
- Red (64%)
- Green (27%)
- Blue (100%)



- Red (64%)
- Yellow (27%)
- Blue (100%)



- Cyan (36%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (73%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 104.552, 312.884 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, 104.552, 312.884 by changing the saturation by 10% instead.


 51, 104.552,
312.884


 51, 104.552,
312.884


 100, 104.552,
312.884


 41, 104.552,
312.884


 71, 104.552,
312.884


 31, 104.552,
312.884


 81, 104.552,
312.884

 21, 104.552,
312.884

 91, 104.552,
312.884

 11, 104.552,
312.884

 1, 104.552,
312.884

 0, 104.552,
312.884

51, 104.552,
312.884

51, 104.552,
312.884

46, 114.832,
312.869

57, 91.814,
312.635

43, 121.799,
312.460

63, 77.707,
312.213

41, 124.678,
311.988

69, 62.941,
311.706

76, 48.011,
311.171

83, 33.211,
310.642

90, 18.708,
310.138

98, 4.586, 309.653

100, 0.012,
296.813

Harmonies

Complementary

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



51, 104.552, 312.884



91, 93.880, 126.806

Rectangle

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



51, 104.552, 312.884



51, 104.552, 2.884



51, 104.552, 132.884



51, 104.552, 182.884

Sweetspot

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



51, 104.515, 312.890



84, 31.301, 310.574



65, 54.357, 273.149



43, 21.104, 310.715



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, 104.515, 312.890



45, 118.567, 312.731



64, 103.828, 327.881



49, 7.953, 309.955



30, 100.238, 312.184



6, 44.885, 313.252

Inverse Universe

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



60, 76.051, 354.680



56, 82.626, 359.268



89, 106.035, 137.671



50, 6.325, 345.156



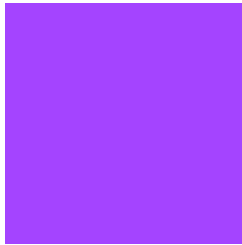
41, 68.123, 3.414



10, 31.747, 357.604

Previews

White Background



This preview shows how the CIELCh color 51, 104.552, 312.884 looks on a white background.

Color Contrast Check

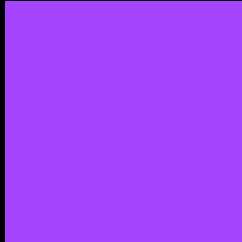
Large Text (above 18pt) WCAG AA ✓ Pass

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 L*a*b* color 51, 104.552, 312.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

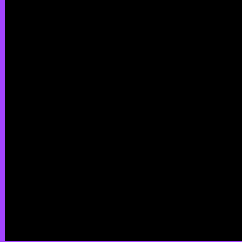
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 104.552, 312.884

Background



This preview shows how black text looks on a background with the CIELCh color 51, 104.552, 312.884.



This preview shows how white text looks on a background with the CIELCh color 51, 104.552, 312.884.

312.884.

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, 104.552, 312.884

Protanopia

51, 75.667, 287.391

Deuteranopia

51, 54.781, 275.977



Tritanopia
51, 10.700, 351.456

Trichromacy



Original Color
51, 104.552, 312.884



Protanomaly
48, 87.866, 295.885



Deuteranomaly
48, 73.836, 292.355



Tritanomaly
49, 46.274, 316.344

Monochromacy



Original Color
51, 104.552, 312.884



Achromatopsia
50, 0.007, 296.813



Achromatomaly
48, 41.803, 311.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 104.552, 312.884 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(164, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 68, 255)  
}
```

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(164, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 68, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 104.552, 312.884 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(164, 68, 255) }
```

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

```
.border{ border-color:rgb(164, 68, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 68, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 68, 255); box-shadow:4px 4px 4px 4px rgb(164, 68, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 104.552, 312.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 68, 255) }
```

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

```
.background{ background-color: rgb(164, 68,  
255) }
```

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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