

Converting Colors

CIELCh(51, 88.759, 313.266)

Have a look what the booklet for
CIELCh(51, 88.759, 313.266)
contains.

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Color

CIELCh(51, 88.777, 313.246)

Conversions

Conversions Part 1

Format	Color
Hex	A250EA
RGB	162, 80, 234
RGB Percent	64%, 31%, 92%
CMY	0.3659, 0.6874, 0.0835
CMYK	0.31, 0.66, 0.00, 0.08
HSL	272°, 78%, 61%
HSV	272°, 66%, 92%
XYZ	32.4942, 19.2686, 79.6195
YIQ	122.0740, -0.5620, 65.2780

Conversions

Conversions Part 2

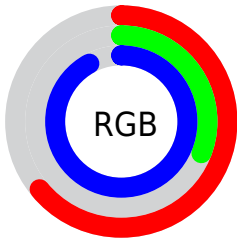
Format	Color
R_{YB}	162, 80, 234
Decimal	10637546
CIE _{Lab}	51.00, 60.82, -64.67
CIE _{LCh}	51, 88.777, 313.246
Yxy	19.2686, 0.2473, 0.1467
Android (android.graphics.Color)	4288827626 (0xFFA250EA)
YUV	122.0740, 55.1795, 35.0151
Hunter-Lab	43.8960, 55.3174, -76.8141

Details

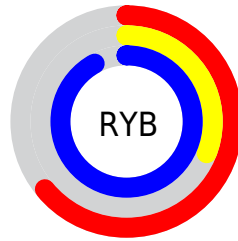
The CIELCh color **51, 88.777, 313.246** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **85, 81.069, 127.437**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 70.737, 318.337**, and **31, 88.579, 313.203** is the 20% darker color. If you saturate the color by 10%, you get **46, 100.064, 313.418**, and if you desaturate by 10%, it is **57, 75.953, 312.885**.

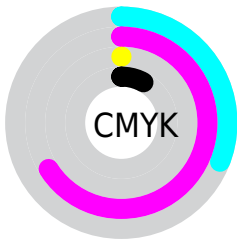
Distribution



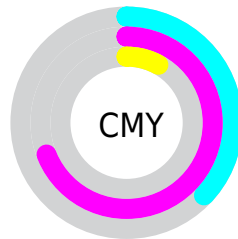
- Red (64%)
- Green (31%)
- Blue (92%)



- Red (64%)
- Yellow (31%)
- Blue (92%)



- Cyan (31%)
- Magenta (66%)
- Yellow (0%)
- Black (8%)




- Cyan (37%)
- Magenta (69%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 88.777, 313.246 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, 88.777, 313.246 by changing the saturation by 10% instead.

 51, 88.777,
313.246

 51, 88.777,
313.246


 100, 88.777,
313.246

 41, 88.777,
313.246

 71, 88.777,
313.246

 31, 88.777,
313.246

 81, 88.777,
313.246

 21, 88.777,
313.246

 91, 88.777,
313.246

 11, 88.777,
313.246

 1, 88.777, 313.246

 0, 88.777, 313.246

51, 88.777,
313.246

51, 88.777,
313.246

46, 100.064,
313.418

57, 75.953,
312.885

42, 108.906,
313.293

63, 62.338,
312.420

39, 114.519,
312.772

69, 48.444,
311.911

38, 116.177,
312.491


75, 34.592,
311.396

82, 20.966,
310.900

89, 7.667, 310.428

95, 5.257, 130.053

99, 11.016,
120.408

 99, 10.783,
109.362

Harmonies

Complementary

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



51, 88.777, 313.246



85, 81.069, 127.437

Rectangle

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



51, 88.777, 313.246



51, 88.777, 3.246



51, 88.777, 133.246



51, 88.777, 183.246

Sweetspot

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



51, 88.776, 313.246



86, 28.482, 311.106



62, 46.954, 271.968



44, 19.500, 311.247



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, 88.776, 313.246



49, 110.532, 313.413



61, 89.434, 328.185



46, 7.456, 310.595



29, 95.806, 312.677



5, 37.840, 312.704

Inverse Universe

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



57, 65.526, 354.156



58, 78.784, 357.748



82, 90.958, 138.883



46, 5.834, 346.207



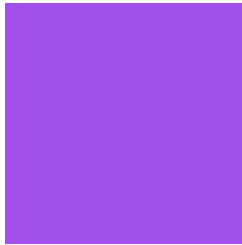
39, 65.310, 5.033



8, 28.333, 357.717

Previews

White Background



This preview shows how the CIELCh color 51, 88.777, 313.246 looks on a white background.

Color Contrast Check

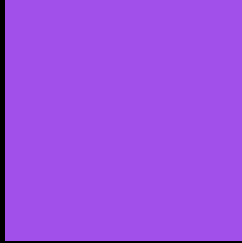
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.777, 313.246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

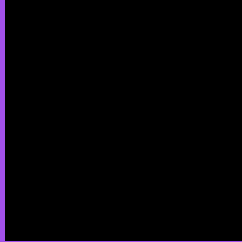
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 88.777, 313.246

Background



This preview shows how black text looks on a background with the CIELCh color 51, 88.777, 313.246.

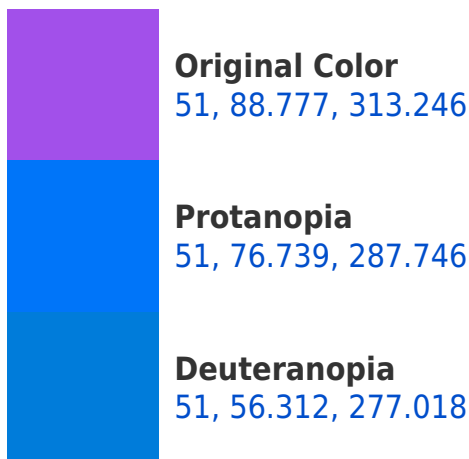


This preview shows how white text looks on a background with the CIELCh color 51, 88.777, 313.246.

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, 12.179, 355.522

Trichromacy



Original Color
51, 88.777, 313.246



Protanomaly
48, 81.595, 294.073



Deuteranomaly
48, 68.049, 289.986



Tritanomaly
50, 39.273, 319.512

Monochromacy



Original Color
51, 88.777, 313.246



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 34.447, 311.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 88.777, 313.246 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(162, 80, 234)` looks like.

```
.text, #text, p{  
    color:rgb(162, 80, 234)  
}
```

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(162, 80, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 80, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 88.777, 313.246 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(162, 80, 234) }
```

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

```
.border{ border-color:rgb(162, 80, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 80, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 80, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 80, 234);  
box-shadow:4px 4px 4px 4px rgb(162, 80,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 88.777, 313.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 80, 234) }
```

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

```
.background{ background-color: rgb(162, 80,  
234) }
```

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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