

Converting Colors

CIELCh(52, 87.780, 315.201)

Have a look what the booklet for
CIELCh(52, 87.780, 315.201)
contains.

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Color

CIELCh(52, 87.791, 315.162)

Conversions

Conversions Part 1

Format	Color
Hex	AB50E8
RGB	171, 80, 232
RGB Percent	67%, 31%, 91%
CMY	0.3304, 0.6872, 0.0912
CMYK	0.26, 0.66, 0.00, 0.09
HSL	276°, 77%, 61%
HSV	276°, 66%, 91%
XYZ	34.1209, 20.1443, 78.2476
YIQ	124.5370, 5.4440, 66.5640

Conversions

Conversions Part 2

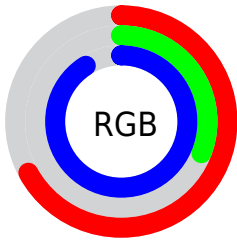
Format	Color
R_{YB}	171, 80, 232
Decimal	11227368
CIE _{Lab}	52.00, 62.25, -61.90
CIE _{LCh}	52, 87.791, 315.162
Yxy	20.1443, 0.2575, 0.1520
Android (android.graphics.Color)	4289417448 (0xFFAB50E8)
YUV	124.5370, 52.9793, 40.7481
Hunter-Lab	44.8824, 57.1565, -71.9480

Details

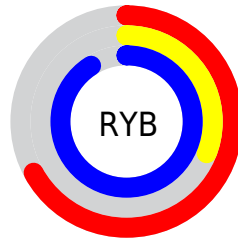
The CIELCh color **52, 87.791, 315.162** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **84, 81.785, 129.573**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 70.923, 320.583**, and **32, 87.599, 315.284** is the 20% darker color. If you saturate the color by 10%, you get **47, 98.610, 315.257**, and if you desaturate by 10%, it is **57, 75.331, 314.879**.

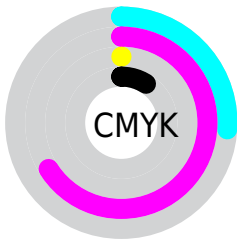
Distribution



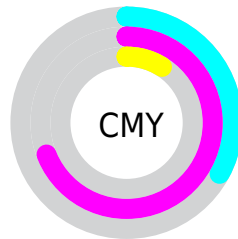
- Red (67%)
- Green (31%)
- Blue (91%)



- Red (67%)
- Yellow (31%)
- Blue (91%)



- Cyan (26%)
- Magenta (66%)
- Yellow (0%)
- Black (9%)





- Cyan (33%)
- Magenta (69%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 87.791, 315.162 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 52, 87.791, 315.162 by changing the saturation by 10% instead.


 52, 87.791,
315.162


 52, 87.791,
315.162

 100, 87.791,
315.162


 42, 87.791,
315.162


 72, 87.791,
315.162

 32, 87.791,
315.162

 82, 87.791,
315.162

 22, 87.791,
315.162

 92, 87.791,
315.162

 12, 87.791,
315.162

 2, 87.791, 315.162

 0, 87.791, 315.162

52, 87.791,
315.162

52, 87.791,
315.162

47, 98.610,
315.257

57, 75.331,
314.879

44, 106.964,
315.072

63, 61.952,
314.484

41, 112.192,
314.527

69, 48.180,
314.033

40, 113.797,
314.213

75, 34.358,
313.563

82, 20.700,
313.100

88, 7.326, 312.647

95, 5.701, 132.293

99, 12.334,
125.910

■ 99, 11.771,
110.231

Harmonies

Complementary

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



52, 87.791, 315.162



84, 81.785, 129.573

Rectangle

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



52, 87.791, 315.162



52, 87.791, 5.162



52, 87.791, 135.162



52, 87.791, 185.162

Sweetspot

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



52, 87.790, 315.162



86, 28.863, 313.308



59, 51.418, 278.318



44, 19.751, 313.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 87.790, 315.162



50, 109.807, 315.224



60, 84.670, 330.430



45, 7.431, 312.823



30, 93.470, 314.399



5, 36.217, 314.550

Inverse Universe

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



57, 63.454, 358.889



58, 77.701, 3.118



82, 86.533, 140.535



45, 5.496, 350.140



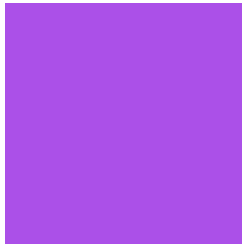
38, 64.861, 11.394



7, 26.917, 2.196

Previews

White Background



This preview shows how the CIELCh color 52, 87.791, 315.162 looks on a white background.

Color Contrast Check

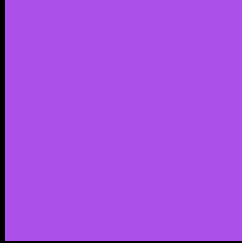
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 87.791, 315.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

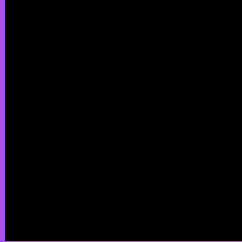
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 87.791, 315.162

Background



This preview shows how black text looks on a background with the CIELCh color 52, 87.791, 315.162.



This preview shows how white text looks on a background with the CIELCh color 52, 87.791, 315.162.

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
52, 87.791, 315.162

Protanopia
52, 77.596, 287.570

Deuteranopia
52, 57.582, 278.409



Tritanopia
52, 16.857, 3.607

Trichromacy



Original Color
52, 87.791, 315.162



Protanomaly
49, 81.924, 294.079



Deuteranomaly
50, 68.191, 292.269



Tritanomaly
51, 40.884, 324.984

Monochromacy



Original Color
52, 87.791, 315.162



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 34.262, 313.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 87.791, 315.162 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(171, 80, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 80, 232)  
}
```

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(171, 80, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 80, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 87.791, 315.162 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(171, 80, 232) }
```

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

```
.border{ border-color:rgb(171, 80, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 80, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 80, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 80, 232);  
box-shadow:4px 4px 4px 4px rgb(171, 80,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 87.791, 315.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 80, 232) }
```

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

```
.background{ background-color: rgb(171, 80,  
232) }
```

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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