

Converting Colors

CIELCh(52, 92.026, 316.469)

Have a look what the booklet for
CIELCh(52, 92.026, 316.469)
contains.

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Color

CIELCh(52, 91.675, 316.545)

Conversions

Conversions Part 1

Format	Color
Hex	B14AEA
RGB	177, 74, 234
RGB Percent	69%, 29%, 92%
CMY	0.3064, 0.7103, 0.0829
CMYK	0.24, 0.68, 0.00, 0.08
HSL	279°, 79%, 60%
HSV	279°, 68%, 92%
XYZ	35.3732, 20.1443, 79.7653
YIQ	123.0370, 10.0280, 71.5960

Conversions

Conversions Part 2

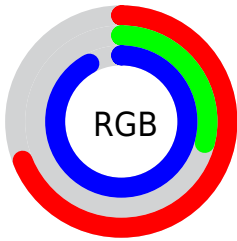
Format	Color
RYB	177, 74, 234
Decimal	11619050
CIELab	52.00, 66.55, -63.05
CIElCh	52, 91.675, 316.545
Yxy	20.1443, 0.2615, 0.1489
Android (android.graphics.Color)	4289809130 (0xFFB14AEA)
YUV	123.0370, 54.7048, 47.3256
Hunter-Lab	44.8824, 62.1371, -73.9528

Details

The CIELCh color **52, 91.675, 316.545** 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, 86.373, 130.856**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 74.347, 322.393**, and **32, 91.516, 316.535** is the 20% darker color. If you saturate the color by 10%, you get **48, 101.615, 316.535**, and if you desaturate by 10%, it is **57, 79.758, 316.347**.

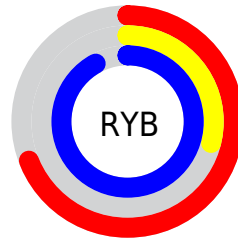
Distribution



Red (69%)

Green (29%)

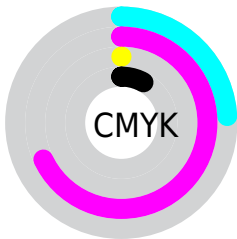
Blue (92%)



Red (69%)

Yellow (29%)

Blue (92%)

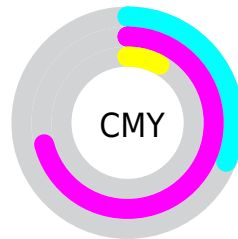


Cyan (24%)

Magenta (68%)

Yellow (0%)

Black (8%)



Cyan (31%)


Magenta (71%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 91.675, 316.545 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, 91.675, 316.545 by changing the saturation by 10% instead.


 52, 91.675,
316.545


 52, 91.675,
316.545


 100, 91.675,
316.545


 42, 91.675,
316.545


 72, 91.675,
316.545

 32, 91.675,
316.545

 82, 91.675,
316.545

 22, 91.675,
316.545

 92, 91.675,
316.545

 12, 91.675,
316.545

 2, 91.675, 316.545

 0, 91.675, 316.545

52, 91.675,
316.545

52, 91.675,
316.545

48, 101.615,
316.535

57, 79.758,
316.347

45, 108.819,
316.235

62, 66.620,
316.013

42, 112.969,
315.603

68, 52.856,
315.603

42, 113.509,
315.494

74, 38.883,
315.158

81, 24.972,
314.706

87, 11.284,
314.260

94, 2.088, 133.952

99, 11.515,
130.219

■ 99, 10.771,
115.399

Harmonies

Complementary

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



52, 91.675, 316.545



84, 86.373, 130.856

Rectangle

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



52, 91.675, 316.545



52, 91.675, 6.545



52, 91.675, 136.545



52, 91.675, 186.545

Sweetspot

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



52, 91.674, 316.545



86, 30.632, 314.827



56, 58.485, 283.437



44, 20.787, 314.952



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, 91.674, 316.545



51, 111.933, 316.454



59, 84.861, 332.477



46, 7.648, 314.307



32, 93.598, 315.665



6, 38.320, 316.466

Inverse Universe

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



56, 65.426, 3.133



57, 79.117, 8.095



82, 87.288, 141.463



46, 5.451, 353.014



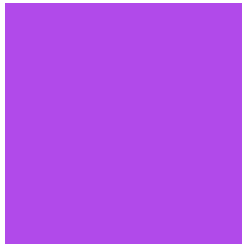
38, 66.274, 15.793



7, 27.843, 5.880

Previews

White Background



This preview shows how the CIELCh color 52, 91.675, 316.545 looks on a white background.

Color Contrast Check

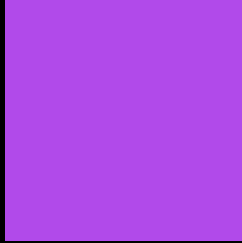
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.675, 316.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

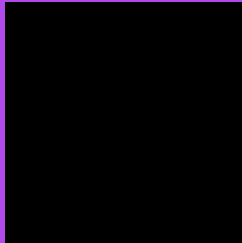
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 91.675, 316.545

Background



This preview shows how black text looks on a background with the CIELCh color 52, 91.675, 316.545.



This preview shows how white text looks on a background with the CIELCh color 52, 91.675, 316.545.

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, 91.675, 316.545

Protanopia

52, 77.596, 287.570

Deuteranopia

52, 58.230, 278.206



Tritanopia
52, 20.072, 8.723

Trichromacy



Original Color
52, 91.675, 316.545



Protanomaly
49, 83.682, 294.904



Deuteranomaly
49, 70.658, 292.379



Tritanomaly
51, 44.004, 328.324

Monochromacy



Original Color
52, 91.675, 316.545



Achromatopsia
52, 0.007, 296.813



Achromatomaly
50, 36.522, 315.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 91.675, 316.545 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(177, 74, 234)` looks like.

```
.text, #text, p{  
    color:rgb(177, 74, 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(177, 74, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 74, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 91.675, 316.545 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(177, 74, 234) }
```

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

```
.border{ border-color:rgb(177, 74, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 74, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 74, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 74, 234);  
box-shadow:4px 4px 4px 4px rgb(177, 74,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 91.675, 316.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 74, 234) }
```

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

```
.background{ background-color: rgb(177, 74,  
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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