

Converting Colors

CIELCh(52, 91.116, 316.530)

Have a look what the booklet for
CIELCh(52, 91.116, 316.530)
contains.

CIELCh(52, 91.208, 316.664)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 91.208, 316.664)

Conversions

Conversions Part 1

Format	Color
Hex	B14AE9
RGB	177, 74, 233
RGB Percent	69%, 29%, 91%
CMY	0.3057, 0.7096, 0.0861
CMYK	0.24, 0.68, 0.00, 0.09
HSL	279°, 78%, 60%
HSV	279°, 68%, 91%
XYZ	35.3116, 20.1443, 79.1579
YIQ	122.9230, 10.3490, 71.2850

Conversions

Conversions Part 2

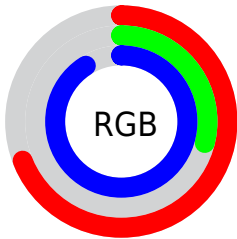
Format	Color
R_{YB}	177, 74, 233
Decimal	11619049
CIE _{Lab}	52.00, 66.34, -62.59
CIE _{LCh}	52, 91.208, 316.664
Yxy	20.1443, 0.2623, 0.1496
Android (android.graphics.Color)	4289809129 (0xFFB14AE9)
YUV	122.9230, 54.2680, 47.4255
Hunter-Lab	44.8824, 61.8922, -73.1504

Details

The CIELCh color **52, 91.208, 316.664** 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, 86.045, 130.975**, 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, 91.063, 316.656** is the 20% darker color. If you saturate the color by 10%, you get **48, 101.139, 316.656**, and if you desaturate by 10%, it is **57, 79.314, 316.465**.

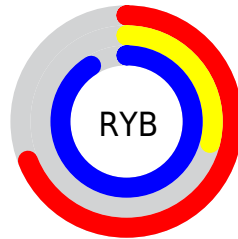
Distribution



Red (69%)

Green (29%)

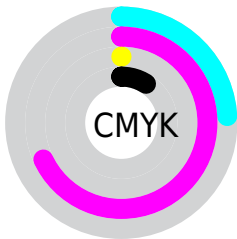
Blue (91%)



Red (69%)

Yellow (29%)

Blue (91%)

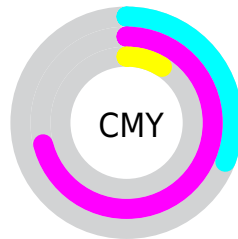


Cyan (24%)

Magenta (68%)

Yellow (0%)

Black (9%)



Cyan (31%)


Magenta (71%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 91.208, 316.664 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, 91.208, 316.664 by changing the saturation by 10% instead.


 52, 91.208,
316.664


 52, 91.208,
316.664


 100, 91.208,
316.664


 42, 91.208,
316.664


 72, 91.208,
316.664

 32, 91.208,
316.664

 82, 91.208,
316.664

 22, 91.208,
316.664

 92, 91.208,
316.664

 12, 91.208,
316.664

 2, 91.208, 316.664

 0, 91.208, 316.664

■ 52, 91.208,
316.664

■ 52, 91.208,
316.664

■ 48, 101.139,
316.656

■ 57, 79.314,
316.465

■ 45, 108.354,
316.362

■ 62, 66.208,
316.132

■ 42, 112.516,
315.738

■ 68, 52.478,
315.723

■ 42, 113.115,
315.616

■ 74, 38.541,
315.280

■ 81, 24.663,
314.829

■ 87, 11.007,
314.384

■ 94, 2.334, 134.068

■ 99, 12.007,
130.766

■ 99, 11.223,
116.835

Harmonies

Complementary

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



52, 91.208, 316.664



84, 86.045, 130.975

Rectangle

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



52, 91.208, 316.664



52, 91.208, 6.664



52, 91.208, 136.664



52, 91.208, 186.664

Sweetspot

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



52, 91.207, 316.664



86, 29.171, 314.913



56, 58.148, 283.368



44, 19.955, 315.040



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, 91.207, 316.664



51, 111.885, 316.573



59, 84.473, 332.464



46, 7.656, 314.439



32, 93.523, 315.784



6, 38.335, 316.603

Inverse Universe

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



56, 65.064, 3.389



57, 79.126, 8.443



82, 86.857, 141.492



46, 5.438, 353.280



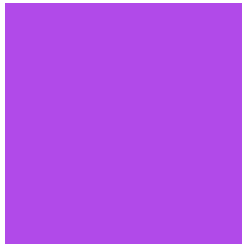
38, 66.360, 16.178



7, 27.836, 6.146

Previews

White Background



This preview shows how the CIELCh color 52, 91.208, 316.664 looks on a white background.

Color Contrast Check

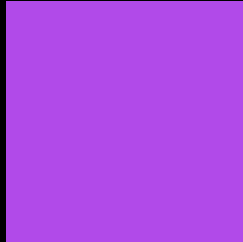
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.208, 316.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

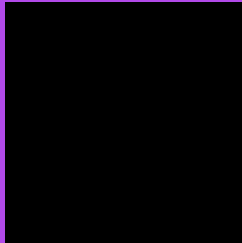
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 91.208, 316.664

Background



This preview shows how black text looks on a background with the CIELCh color 52, 91.208, 316.664.



This preview shows how white text looks on a background with the CIELCh color 52, 91.208, 316.664.

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, 91.208, 316.664

Protanopia

52, 77.596, 287.570

Deuteranopia

52, 57.621, 278.253



Tritanopia
52, 20.486, 9.057

Trichromacy



Original Color
52, 91.208, 316.664



Protanomaly
49, 83.140, 294.809



Deuteranomaly
49, 69.993, 293.076



Tritanomaly
51, 43.105, 329.236

Monochromacy



Original Color
52, 91.208, 316.664



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, 91.208, 316.664 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(177, 74, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 74, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 91.208, 316.664 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, 233) }
```

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

```
.border{ border-color:rgb(177, 74, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 74, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 74, 233);  
box-shadow:4px 4px 4px 4px rgb(177, 74,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 91.208, 316.664 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, 233) }
```

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

```
.background{ background-color: rgb(177, 74,  
233) }
```

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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