

Converting Colors

CIELCh(53, 93.859, 318.253)

Have a look what the booklet for
CIELCh(53, 93.859, 318.253)
contains.

CIELCh(53, 93.932, 318.162)	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(53, 93.932, 318.162)

Conversions

Conversions Part 1

Format	Color
Hex	BA47EC
RGB	186, 71, 236
RGB Percent	73%, 28%, 93%
CMY	0.2700, 0.7210, 0.0740
CMYK	0.21, 0.70, 0.00, 0.07
HSL	282°, 81%, 60%
HSV	282°, 70%, 93%
XYZ	37.7079, 21.0462, 81.5391
YIQ	124.1950, 15.5750, 75.6950

Conversions

Conversions Part 2

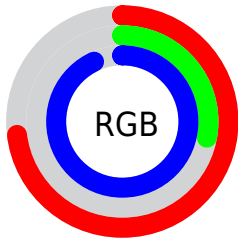
Format	Color
R_{YB}	186, 71, 236
Decimal	12208108
CIE _{Lab}	53.00, 69.98, -62.66
CIE _{LCh}	53, 93.932, 318.162
Yxy	21.0462, 0.2688, 0.1500
Android (android.graphics.Color)	4290398188 (0xFFBA47EC)
YUV	124.1950, 55.1199, 54.2030
Hunter-Lab	45.8761, 66.4351, -73.2673

Details

The CIELCh color **53, 93.932, 318.162** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **84, 89.850, 132.265**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 76.437, 324.908**, and **34, 91.554, 317.866** is the 20% darker color. If you saturate the color by 10%, you get **49, 103.188, 318.097**, and if you desaturate by 10%, it is **58, 82.470, 318.017**.

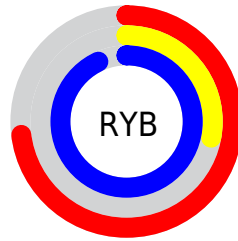
Distribution



Red (73%)

Green (28%)

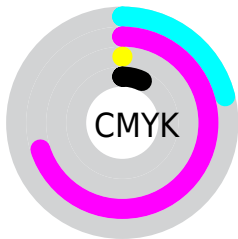
Blue (93%)



Red (73%)

Yellow (28%)

Blue (93%)

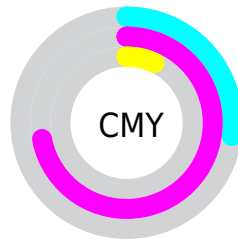


Cyan (21%)

Magenta (70%)

Yellow (0%)

Black (7%)



Cyan (27%)


Magenta (72%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 93.932, 318.162 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 53, 93.932, 318.162 by changing the saturation by 10% instead.


 53, 93.932,
318.162


 53, 93.932,
318.162


 100, 93.932,
318.162


 43, 93.932,
318.162


 73, 93.932,
318.162

 33, 93.932,
318.162

 83, 93.932,
318.162

 23, 93.932,
318.162

 93, 93.932,
318.162

 13, 93.932,
318.162

 3, 93.932, 318.162

 0, 93.932, 318.162

53, 93.932,
318.162

53, 93.932,
318.162

49, 103.188,
318.097

58, 82.470,
318.017

46, 109.576,
317.755

63, 69.548,
317.728

44, 113.107,
317.129

69, 55.797,
317.349

44, 113.147,
317.121

75, 41.687,
316.924

81, 27.536,
316.482

87, 13.546,
316.038

94, 0.164, 136.875

99, 10.462,
132.711

Harmonies

Complementary

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



53, 93.932, 318.162



84, 89.850, 132.265

Rectangle

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



53, 93.932, 318.162



53, 93.932, 8.162



53, 93.932, 138.162



53, 93.932, 188.162

Sweetspot

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



53, 93.931, 318.162



86, 31.003, 316.536



54, 65.095, 287.524



44, 21.030, 316.659



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 93.931, 318.162



52, 112.805, 317.981



59, 83.809, 334.675



46, 7.751, 316.020



34, 92.641, 317.283



6, 38.486, 318.252

Inverse Universe

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



56, 66.729, 7.820



56, 80.683, 13.575



83, 86.476, 142.664



46, 5.298, 356.597



38, 67.676, 20.748



7, 27.799, 9.190

Previews

White Background



This preview shows how the CIELCh color 53, 93.932, 318.162 looks on a white background.

Color Contrast Check

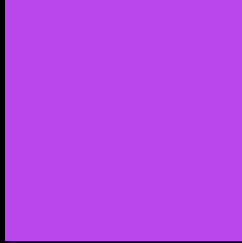
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 93.932, 318.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

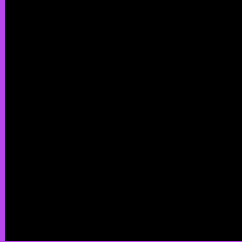
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 93.932, 318.162

Background



This preview shows how black text looks on a background with the CIELCh color 53, 93.932, 318.162.



This preview shows how white text looks on a background with the CIELCh color 53, 93.932, 318.162.

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

53, 93.932, 318.162

Protanopia

53, 76.742, 287.854

Deuteranopia

54, 57.345, 278.363



Tritanopia
53, 24.721, 10.596

Trichromacy



Original Color
53, 93.932, 318.162



Protanomaly
50, 83.184, 297.102



Deuteranomaly
50, 70.812, 294.866



Tritanomaly
52, 46.804, 332.126

Monochromacy



Original Color
53, 93.932, 318.162



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 38.018, 317.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 93.932, 318.162 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(186, 71, 236)` looks like.

```
.text, #text, p{  
    color:rgb(186, 71, 236)  
}
```

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(186, 71, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 71, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 93.932, 318.162 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(186, 71, 236) }
```

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

```
.border{ border-color:rgb(186, 71, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 71, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 71, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 71, 236);  
box-shadow:4px 4px 4px 4px rgb(186, 71,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 93.932, 318.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 71, 236) }
```

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

```
.background{ background-color: rgb(186, 71,  
236) }
```

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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