

Converting Colors

CIELCh(52, 88.970, 335.133)

Have a look what the booklet for
CIELCh(52, 88.970, 335.133)
contains.

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Color

CIELCh(52, 89.088, 334.952)

Conversions

Conversions Part 1

Format	Color
Hex	DD1FBE
RGB	221, 31, 190
RGB Percent	87%, 12%, 75%
CMY	0.1323, 0.8766, 0.2540
CMYK	0.00, 0.86, 0.14, 0.13
HSL	310°, 75%, 50%
HSV	310°, 86%, 87%
XYZ	39.7184, 20.1443, 50.6433
YIQ	105.9360, 62.2010, 89.7290

Conversions

Conversions Part 2

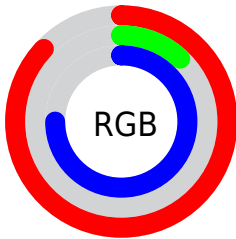
Format	Color
R_{YB}	221, 31, 190
Decimal	14491582
CIE _{Lab}	52.00, 80.71, -37.72
CIE _{LCh}	52, 89.088, 334.952
Yxy	20.1443, 0.3594, 0.1823
Android (android.graphics.Color)	4292681662 (0xFFDD1FBE)
YUV	105.9360, 41.4436, 100.9111
Hunter-Lab	44.8824, 79.4181, -35.4825

Details

The CIELCh color **52, 89.088, 334.952** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **78, 95.899, 139.674**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 86.398, 329.104**, and **37, 72.664, 335.466** is the 20% darker color. If you saturate the color by 10%, you get **51, 90.946, 335.762**, and if you desaturate by 10%, it is **54, 84.570, 334.213**.

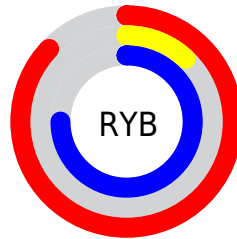
Distribution



Red (87%)

Green (12%)

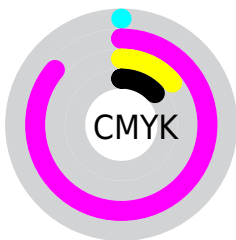
Blue (75%)



Red (87%)

Yellow (12%)

Blue (75%)

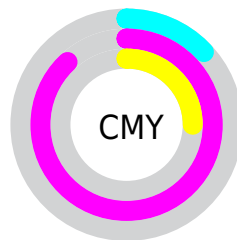


Cyan (0%)

Magenta (86%)

Yellow (14%)

Black (13%)



Cyan (13%)


Magenta (88%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 89.088, 334.952 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, 89.088, 334.952 by changing the saturation by 10% instead.


 52, 89.088,
334.952


 52, 89.088,
334.952


 100, 89.088,
334.952


 42, 89.088,
334.952


 72, 89.088,
334.952

 32, 89.088,
334.952

 82, 89.088,
334.952

 22, 89.088,
334.952

 92, 89.088,
334.952

 12, 89.088,
334.952

 2, 89.088, 334.952

 0, 89.088, 334.952

■ 52, 89.088,
334.952

■ 52, 89.088,
334.952

■ 51, 90.946,
335.762

■ 54, 84.570,
334.213

■ 51, 91.247,
336.122

■ 57, 77.481,
333.515

■ 60, 68.222,
332.839

■ 64, 57.343,
332.174

■ 69, 45.395,
331.517

■ 74, 32.850,
330.869

■ 79, 20.068,
330.231

■ 85, 7.303, 329.588

Harmonies

Complementary

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



52, 89.088, 334.952



78, 95.899, 139.674

Rectangle

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



52, 89.088, 334.952



52, 89.088, 24.952



52, 89.088, 154.952



52, 89.088, 204.952

Sweetspot

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



52, 89.085, 334.952



84, 37.181, 330.897



32, 109.913, 306.174



43, 25.183, 331.122



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, 89.085, 334.952



58, 101.472, 336.197



49, 72.503, 9.987



43, 7.146, 329.828



40, 76.225, 335.971



7, 30.804, 334.380

Inverse Universe

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



52, 89.085, 334.952



58, 101.472, 336.197



79, 62.566, 160.938



43, 7.146, 329.828



40, 76.225, 335.971



7, 30.804, 334.380

Previews

White Background



This preview shows how the CIELCh color 52, 89.088, 334.952 looks on a white background.

Color Contrast Check

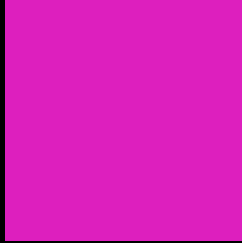
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 89.088, 334.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

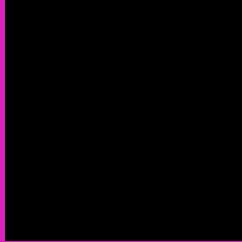
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 89.088, 334.952

Background



This preview shows how black text looks on a background with the CIELCh color 52, 89.088, 334.952.

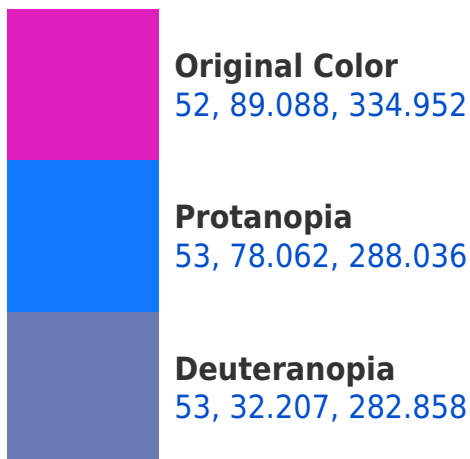


This preview shows how white text looks on a background with the CIELCh color 52, 89.088, 334.952.

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
52, 58.442, 25.669

Trichromacy



Original Color
52, 89.088, 334.952



Protanomaly
46, 83.851, 300.368



Deuteranomaly
48, 57.072, 315.114



Tritanomaly
51, 63.503, 0.543

Monochromacy



Original Color
52, 89.088, 334.952



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 42.245, 331.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 89.088, 334.952 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(221, 31, 190)` looks like.

```
.text, #text, p{  
    color:rgb(221, 31, 190)  
}
```

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(221, 31, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 31, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 89.088, 334.952 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(221, 31, 190) }
```

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

```
.border{ border-color:rgb(221, 31, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 31, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 31, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 31, 190);  
box-shadow:4px 4px 4px 4px rgb(221, 31,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 89.088, 334.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 31, 190) }
```

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

```
.background{ background-color: rgb(221, 31,  
190) }
```

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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