

Converting Colors

CIELCh(53, 89.219, 337.555)

Have a look what the booklet for
CIELCh(53, 89.219, 337.555)
contains.

CIELCh(53, 89.323, 337.487)	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, 89.323, 337.487)

Conversions

Conversions Part 1

Format	Color
Hex	E51BBB
RGB	229, 27, 187
RGB Percent	90%, 11%, 73%
CMY	0.1017, 0.8936, 0.2665
CMYK	0.00, 0.88, 0.18, 0.10
HSL	312°, 80%, 50%
HSV	312°, 88%, 90%
XYZ	41.7002, 21.0462, 48.9061
YIQ	105.6380, 69.0320, 92.5840

Conversions

Conversions Part 2

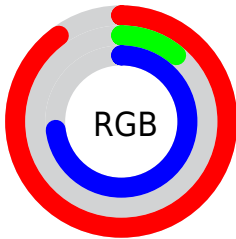
Format	Color
R_{YB}	229, 27, 187
Decimal	15014843
CIE _{Lab}	53.00, 82.52, -34.20
CIE _{LCh}	53, 89.323, 337.487
Yxy	21.0462, 0.3735, 0.1885
Android (android.graphics.Color)	4293204923 (0xFFE51BBB)
YUV	105.6380, 40.1115, 108.1885
Hunter-Lab	45.8761, 81.9687, -31.0926

Details

The CIELCh color **53, 89.323, 337.487** 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 **80, 97.520, 140.392**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 85.256, 329.769**, and **38, 72.097, 338.873** is the 20% darker color. If you saturate the color by 10%, you get **52, 90.435, 338.611**, and if you desaturate by 10%, it is **55, 85.606, 336.506**.

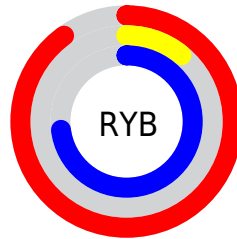
Distribution



Red (90%)

Green (11%)

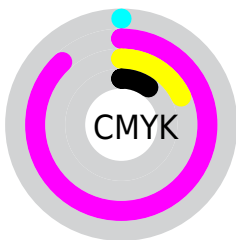
Blue (73%)



Red (90%)

Yellow (11%)

Blue (73%)

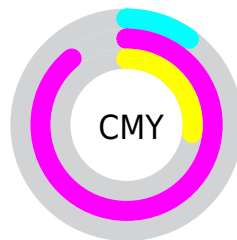


Cyan (0%)

Magenta (88%)

Yellow (18%)

Black (10%)



Cyan (10%)

Magenta (89%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 89.323, 337.487 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, 89.323, 337.487 by changing the saturation by 10% instead.


 53, 89.323,
337.487

 53, 89.323,
337.487


 100, 89.323,
337.487

 43, 89.323,
337.487

 73, 89.323,
337.487

 33, 89.323,
337.487

 83, 89.323,
337.487

 23, 89.323,
337.487

 93, 89.323,
337.487

 13, 89.323,
337.487

 3, 89.323, 337.487

 0, 89.323, 337.487

■ 53, 89.323,
337.487

■ 53, 89.323,
337.487

■ 52, 90.435,
338.611

■ 55, 85.606,
336.506

■ 52, 90.518,
338.828

■ 57, 79.196,
335.631

■ 61, 70.451,
334.825

■ 65, 59.924,
334.065

■ 70, 48.196,
333.337

■ 75, 35.772,
332.635

■ 81, 23.045,
331.955

■ 86, 10.294,

331.288

■ 92, 2.298, 150.849

Harmonies

Complementary

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



53, 89.323, 337.487



80, 97.520, 140.392

Rectangle

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



53, 89.323, 337.487



53, 89.323, 27.487



53, 89.323, 157.487



53, 89.323, 207.487

Sweetspot

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



53, 89.320, 337.487



84, 36.050, 332.498



33, 114.458, 306.931



43, 24.421, 332.738



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, 89.320, 337.487



58, 98.078, 338.906



50, 76.262, 15.599



45, 7.188, 331.376



40, 75.302, 338.618



8, 32.353, 336.703

Inverse Universe

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



53, 89.320, 337.487



58, 98.078, 338.906



81, 61.655, 164.065



45, 7.188, 331.376



40, 75.302, 338.618



8, 32.353, 336.703

Previews

White Background



This preview shows how the CIELCh color 53, 89.323, 337.487 looks on a white background.

Color Contrast Check

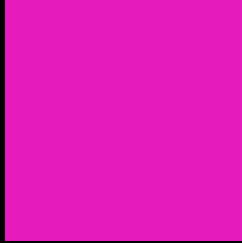
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 89.323, 337.487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

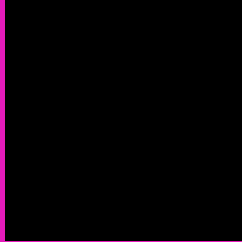
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 89.323, 337.487

Background



This preview shows how black text looks on a background with the CIELCh color 53, 89.323, 337.487.

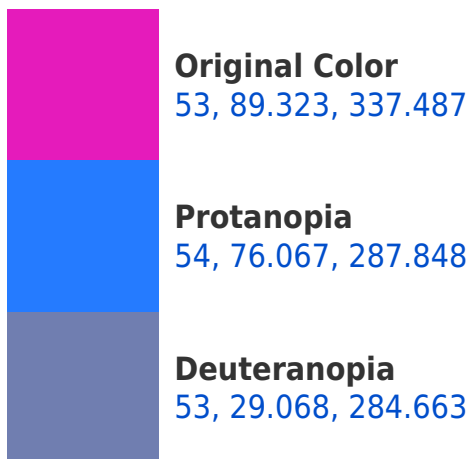


This preview shows how white text looks on a background with the CIELCh color 53, 89.323, 337.487.

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
53, 62.864, 27.066

Trichromacy



Original Color
53, 89.323, 337.487



Protanomaly
47, 82.958, 302.766



Deuteranomaly
49, 56.130, 318.489



Tritanomaly
52, 66.576, 3.436

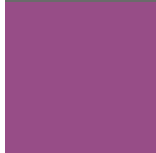
Monochromacy



Original Color
53, 89.323, 337.487



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 43.253, 334.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 89.323, 337.487 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(229, 27, 187)` looks like.

```
.text, #text, p{  
    color:rgb(229, 27, 187)  
}
```

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(229, 27, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 27, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 89.323, 337.487 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(229, 27, 187) }
```

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

```
.border{ border-color:rgb(229, 27, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 27, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 27, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 27, 187);  
box-shadow:4px 4px 4px 4px rgb(229, 27,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 89.323, 337.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 27, 187) }
```

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

```
.background{ background-color: rgb(229, 27,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor