

Converting Colors

CIELCh(53, 83.492, 11.479)

Have a look what the booklet for
CIELCh(53, 83.492, 11.479) contains.

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Color

CIELCh(53, 83.253, 11.400)

Conversions

Conversions Part 1

Format	Color
Hex	F90067
RGB	249, 0, 103
RGB Percent	98%, 0%, 40%
CMY	0.0245, 1.0000, 0.5968
CMYK	0.00, 1.00, 0.59, 0.02
HSL	335°, 100%, 49%
HSV	335°, 100%, 98%
XYZ	41.4028, 21.0462, 14.6612
YIQ	86.1930, 115.3410, 84.8210

Conversions

Conversions Part 2

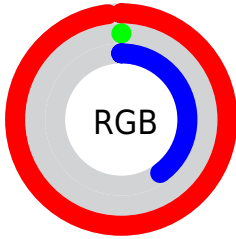
Format	Color
R _Y B	249, 0, 103
Decimal	16318567
CIE Lab	53.00, 81.61, 16.46
CIE LCh	53, 83.253, 11.400
Yxy	21.0462, 0.5369, 0.2729
Android (android.graphics.Color)	4294508647 (0xFFFF90067)
YUV	86.1930, 8.2859, 142.7817
Hunter-Lab	45.8761, 80.8115, 13.1653

Details

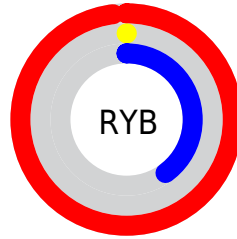
The CIELCh color **53, 83.253, 11.400** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **87, 80.196, 153.489**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 64.730, 1.082**, and **39, 68.642, 20.381** is the 20% darker color. If you saturate the color by 10%, you get **53, 83.192, 11.431**, and if you desaturate by 10%, it is **54, 80.840, 6.513**.

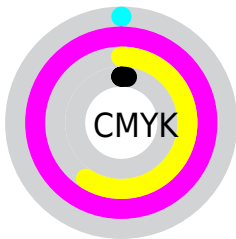
Distribution



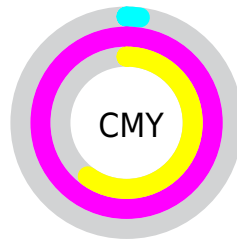
- Red (98%)
- Green (0%)
- Blue (40%)



- Red (98%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (2%)



- Cyan (2%)
- Magenta (100%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 83.253, 11.400 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, 83.253, 11.400 by changing the saturation by 10% instead.

 53, 83.253, 11.400

 53, 83.253, 11.400

 100, 83.253,
11.400

 43, 83.253, 11.400

 73, 83.253, 11.400

 33, 83.253, 11.400

 83, 83.253, 11.400

 23, 83.253, 11.400

 93, 83.253, 11.400

 13, 83.253, 11.400

 3, 83.253, 11.400

 0, 83.253, 11.400

 53, 83.253, 11.400

 53, 83.253, 11.400

 53, 83.192, 11.431

 54, 80.840, 6.513

 56, 76.847, 2.453

■ 59, 70.719,
359.253

■ 63, 62.661,
356.734

■ 68, 53.165,
354.722

■ 73, 42.781,
353.078

■ 79, 31.982,
351.700

■ 85, 21.117,
350.516

■ 91, 10.414,
349.465

Harmonies

Complementary

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



53, 83.253, 11.400



87, 80.196, 153.489

Rectangle

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



53, 83.253, 11.400



53, 83.253, 61.400



53, 83.253, 191.400



53, 83.253, 241.400

Sweetspot

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



53, 83.192, 11.431



81, 32.634, 351.705



43, 120.485, 313.754



40, 22.315, 352.260



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, 83.192, 11.431



54, 84.784, 11.507



53, 101.462, 40.707



49, 5.937, 349.414



40, 67.499, 10.461



10, 30.520, 3.291

Inverse Universe

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



53, 83.192, 11.431



54, 84.784, 11.507



83, 44.356, 211.198



49, 5.937, 349.414



40, 67.499, 10.461



10, 30.520, 3.291

Previews

White Background



This preview shows how the CIELCh color 53, 83.253, 11.400 looks on a white background.

Color Contrast Check

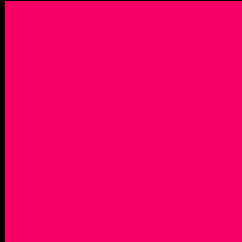
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.253, 11.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

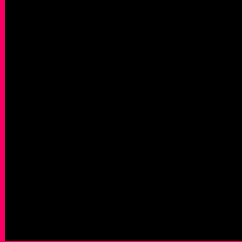
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 83.253, 11.400

Background



This preview shows how black text looks on a background with the CIELCh color 53, 83.253, 11.400.



This preview shows how white text looks on a background with the CIELCh color 53, 83.253, 11.400.

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, 83.253, 11.400

Protanopia

54, 13.308, 287.064

Deuteranopia

54, 22.245, 72.306



Tritanopia
53, 90.587, 35.935

Trichromacy



Original Color
53, 83.253, 11.400



Protanomaly
47, 44.210, 343.881



Deuteranomaly
48, 47.113, 14.805



Tritanomaly
53, 86.889, 27.754

Monochromacy



Original Color
53, 83.253, 11.400



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 41.771, 356.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 83.253, 11.400 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(249, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 103)  
}
```

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(249, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 83.253, 11.400 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(249, 0, 103) }
```

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

```
.border{ border-color:rgb(249, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 83.253, 11.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 103) }
```

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

```
.background{ background-color: rgb(249, 0,  
103) }
```

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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