

Converting Colors

CIELCh(53, 85.238, 349.187)

Have a look what the booklet for
CIELCh(53, 85.238, 349.187)
contains.

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Color

CIELCh(53, 85.085, 349.245)

Conversions

Conversions Part 1

Format	Color
Hex	F0049C
RGB	240, 4, 156
RGB Percent	94%, 2%, 61%
CMY	0.0581, 0.9850, 0.3876
CMYK	0.00, 0.98, 0.35, 0.06
HSL	321°, 97%, 48%
HSV	321°, 98%, 94%
XYZ	42.0550, 21.0462, 33.3701
YIQ	91.8920, 91.8640, 97.3040

Conversions

Conversions Part 2

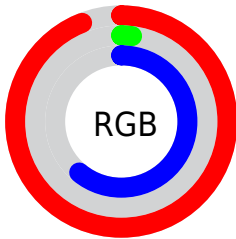
Format	Color
R_{YB}	240, 4, 156
Decimal	15729820
CIE _{Lab}	53.00, 83.59, -15.88
CIE _{LCh}	53, 85.085, 349.245
Yxy	21.0462, 0.4359, 0.2182
Android (android.graphics.Color)	4293919900 (0xFFFF0049C)
YUV	91.8920, 31.6052, 129.8907
Hunter-Lab	45.8761, 83.3492, -11.0140

Details

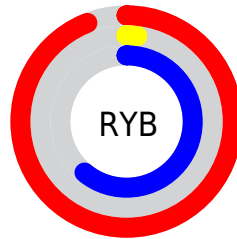
The CIELCh color **53, 85.085, 349.245** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **84, 97.143, 142.920**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.549, 338.446**, and **39, 66.471, 353.677** is the 20% darker color. If you saturate the color by 10%, you get **53, 85.106, 349.656**, and if you desaturate by 10%, it is **54, 84.338, 346.825**.

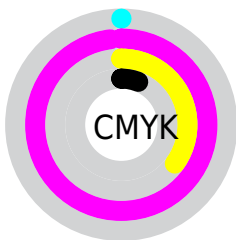
Distribution



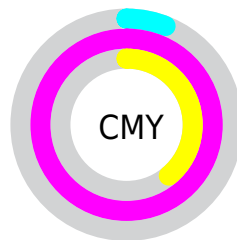
- Red (94%)
- Green (2%)
- Blue (61%)



- Red (94%)
- Yellow (2%)
- Blue (61%)



- Cyan (0%)
- Magenta (98%)
- Yellow (35%)
- Black (6%)





- Cyan (6%)
- Magenta (99%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 85.085, 349.245 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, 85.085, 349.245 by changing the saturation by 10% instead.


 53, 85.085,
349.245


 53, 85.085,
349.245


 100, 85.085,
349.245


 43, 85.085,
349.245


 73, 85.085,
349.245

 33, 85.085,
349.245

 83, 85.085,
349.245

 23, 85.085,
349.245

 93, 85.085,
349.245

 13, 85.085,
349.245

 3, 85.085, 349.245

 0, 85.085, 349.245

■ 53, 85.085,
349.245

■ 53, 85.085,
349.245

■ 53, 85.106,
349.656

■ 54, 84.338,
346.825

■ 56, 81.050,
344.857

■ 59, 75.080,
343.252

■ 63, 66.802,
341.913

■ 67, 56.796,
340.761

■ 72, 45.659,
339.744

■ 78, 33.899,
338.827

■ 84, 21.901,

337.984

 90, 9.928, 337.188

Harmonies

Complementary

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



53, 85.085, 349.245



84, 97.143, 142.920

Rectangle

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



53, 85.085, 349.245



53, 85.085, 39.245



53, 85.085, 169.245



53, 85.085, 219.245

Sweetspot

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



53, 85.081, 349.246



81, 37.577, 338.976



35, 122.456, 308.927



41, 25.606, 339.360



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, 85.081, 349.246



56, 88.996, 349.751



50, 91.636, 33.109



47, 6.706, 337.273



40, 69.804, 349.165



9, 31.366, 345.329

Inverse Universe

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



53, 85.081, 349.246



56, 88.996, 349.751



85, 55.720, 176.193



47, 6.706, 337.273



40, 69.804, 349.165



9, 31.366, 345.329

Previews

White Background



This preview shows how the CIELCh color 53, 85.085, 349.245 looks on a white background.

Color Contrast Check

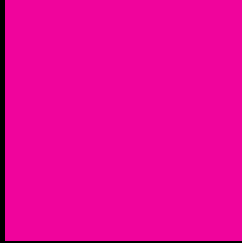
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.085, 349.245 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, 85.085, 349.245

Background



This preview shows how black text looks on a background with the CIELCh color 53, 85.085, 349.245.



This preview shows how white text looks on a background with the CIELCh color 53, 85.085, 349.245.

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, 85.010, 349.260

Protanopia

54, 56.665, 286.497

Deuteranopia

54, 11.909, 304.413



Tritanopia
53, 75.952, 31.073

Trichromacy



Original Color
53, 85.010, 349.260



Protanomaly
47, 70.574, 312.294



Deuteranomaly
48, 50.011, 335.855



Tritanomaly
52, 75.295, 13.701

Monochromacy



Original Color
53, 85.010, 349.260



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 45.005, 341.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 85.085, 349.245 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(240, 4, 156)` looks like.

```
.text, #text, p{  
    color:rgb(240, 4, 156)  
}
```

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(240, 4, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 4, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 85.085, 349.245 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(240, 4, 156) }
```

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

```
.border{ border-color:rgb(240, 4, 156) }
```

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

Here you see how a box with a 4 pixel rgb(240, 4, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 4, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 4, 156);  
box-shadow:4px 4px 4px 4px rgb(240, 4,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 85.085, 349.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 4, 156) }
```

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

```
.background{ background-color: rgb(240, 4,  
156) }
```

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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