

Converting Colors

CIELCh(53, 83.589, 15.183)

Have a look what the booklet for
CIELCh(53, 83.589, 15.183) contains.

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Color

CIELCh(53, 83.601, 15.151)

Conversions

Conversions Part 1

Format	Color
Hex	F9065E
RGB	249, 6, 94
RGB Percent	98%, 2%, 37%
CMY	0.0240, 0.9780, 0.6317
CMYK	0.00, 0.98, 0.62, 0.02
HSL	338°, 96%, 50%
HSV	338°, 98%, 98%
XYZ	41.1035, 21.0462, 12.4661
YIQ	88.6890, 116.5800, 78.8840

Conversions

Conversions Part 2

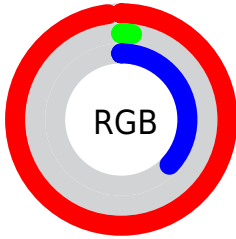
Format	Color
R_{YB}	249, 6, 94
Decimal	16320094
CIE _{Lab}	53.00, 80.70, 21.85
CIE _{LCh}	53, 83.601, 15.151
Yxy	21.0462, 0.5509, 0.2821
Android (android.graphics.Color)	4294510174 (0xFFFF9065E)
YUV	88.6890, 2.6183, 140.5927
Hunter-Lab	45.8761, 79.6470, 16.0021

Details

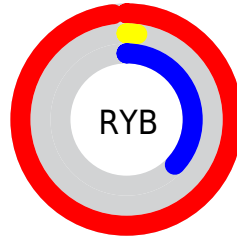
The CIELCh color **53, 83.601, 15.151** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated red. A complement of this color would be **87, 74.689, 157.258**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.686, 6.149**, and **39, 69.827, 24.069** is the 20% darker color. If you saturate the color by 10%, you get **53, 84.309, 16.363**, and if you desaturate by 10%, it is **54, 80.255, 10.007**.

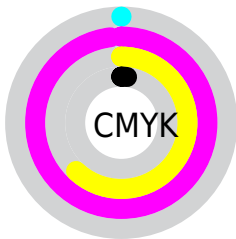
Distribution



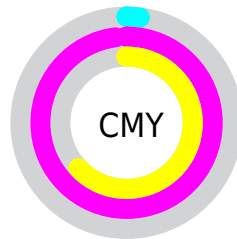
- Red (98%)
- Green (2%)
- Blue (37%)



- Red (98%)
- Yellow (2%)
- Blue (37%)



- Cyan (0%)
- Magenta (98%)
- Yellow (62%)
- Black (2%)



- Cyan (2%)
- Magenta (98%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 83.601, 15.151 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, 83.601, 15.151 by changing the saturation by 10% instead.

 53, 83.601, 15.151

 53, 83.601, 15.151

 100, 83.601,
15.151

 43, 83.601, 15.151

 73, 83.601, 15.151

 33, 83.601, 15.151

 83, 83.601, 15.151

 23, 83.601, 15.151

 93, 83.601, 15.151

 13, 83.601, 15.151

 3, 83.601, 15.151

 0, 83.601, 15.151

 53, 83.601, 15.151

 53, 83.601, 15.151

 53, 84.309, 16.363

 54, 80.255, 10.007

 56, 75.244, 5.801

60, 68.312, 2.480

64, 59.710,
359.868

69, 49.929,
357.787

74, 39.484,
356.093

80, 28.799,
354.682

86, 18.175,
353.475

93, 7.800, 352.398

Harmonies

Complementary

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



53, 83.601, 15.151



87, 74.689, 157.258

Rectangle

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



53, 83.601, 15.151



53, 83.601, 65.151



53, 83.601, 195.151



53, 83.601, 245.151

Sweetspot

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



53, 83.597, 15.153



81, 30.745, 354.852



45, 118.492, 315.316



41, 21.176, 355.438



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, 83.597, 15.153



54, 85.898, 16.442



54, 98.849, 41.280



49, 5.763, 352.583



40, 68.243, 15.330



9, 30.457, 7.450

Inverse Universe

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



53, 83.597, 15.153



54, 85.898, 16.442



80, 42.884, 221.041



49, 5.763, 352.583



40, 68.243, 15.330



9, 30.457, 7.450

Previews

White Background



This preview shows how the CIELCh color 53, 83.601, 15.151 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, 83.601, 15.151 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, 83.601, 15.151

Background



This preview shows how black text looks on a background with the CIELCh color 53, 83.601, 15.151.



This preview shows how white text looks on a background with the CIELCh color 53, 83.601, 15.151.

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, 83.601, 15.151

Protanopia

53, 5.781, 290.898

Deuteranopia

53, 27.005, 74.650



Tritanopia
53, 92.365, 36.604

Trichromacy



Original Color
53, 83.601, 15.151



Protanomaly
47, 40.653, 353.519



Deuteranomaly
49, 48.066, 22.225



Tritanomaly
53, 88.665, 29.792

Monochromacy



Original Color
53, 83.601, 15.151



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 40.704, 0.270

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 83.601, 15.151 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, 6, 94)` looks like.

```
.text, #text, p{  
    color:rgb(249, 6, 94)  
}
```

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, 6, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 6, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 83.601, 15.151 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, 6, 94) }
```

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

```
.border{ border-color:rgb(249, 6, 94) }
```

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

Here you see how a box with a 4 pixel rgb(249, 6, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 6, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 6, 94);  
box-shadow:4px 4px 4px 4px rgb(249, 6, 94)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 83.601, 15.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 6, 94) }
```

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

```
.background{ background-color: rgb(249, 6,  
94) }
```

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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