

Converting Colors

CIELCh(53, 94.253, 31.809)

Have a look what the booklet for
CIELCh(53, 94.253, 31.809) contains.

CIELCh(53, 94.439, 31.926)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 94.439, 31.926)

Conversions

Conversions Part 1

Format	Color
Hex	FD002E
RGB	253, 0, 46
RGB Percent	99%, 0%, 18%
CMY	0.0086, 0.9987, 0.8201
CMYK	0.00, 1.00, 0.82, 0.01
HSL	349°, 100%, 50%
HSV	349°, 100%, 99%
XYZ	40.9271, 21.0462, 4.4758
YIQ	80.8910, 136.0220, 67.9420

Conversions

Conversions Part 2

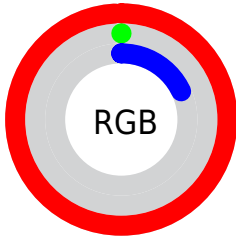
Format	Color
RYB	253, 0, 46
Decimal	16580654
CIELab	53.00, 80.15, 49.94
CIElCh	53, 94.439, 31.926
Yxy	21.0462, 0.6159, 0.3167
Android (android.graphics.Color)	4294770734 (0xFFFD002E)
YUV	80.8910, -17.2013, 150.9396
Hunter-Lab	45.8761, 78.9606, 26.3288

Details

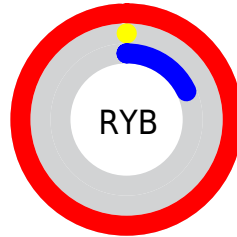
The CIELCh color **53, 94.439, 31.926** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **89, 60.485, 172.535**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 69.016, 29.906**, and **39, 82.249, 39.778** is the 20% darker color. If you saturate the color by 10%, you get **53, 94.518, 31.990**, and if you desaturate by 10%, it is **54, 87.903, 26.697**.

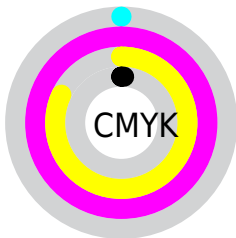
Distribution



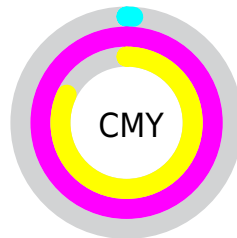
- Red (99%)
- Green (0%)
- Blue (18%)



- Red (99%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 94.439, 31.926 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, 94.439, 31.926 by changing the saturation by 10% instead.

 53, 94.439, 31.926

 53, 94.439, 31.926

 100, 94.439,
31.926

 43, 94.439, 31.926

 73, 94.439, 31.926

 33, 94.439, 31.926

 83, 94.439, 31.926

 23, 94.439, 31.926

 93, 94.439, 31.926

 13, 94.439, 31.926

 3, 94.439, 31.926

 0, 94.439, 31.926

 53, 94.439, 31.926

 53, 94.439, 31.926

 53, 94.518, 31.990

 54, 87.903, 26.697

 56, 80.331, 21.789

■ 59, 71.553, 17.675

■ 63, 61.720, 14.383

■ 68, 51.192, 11.791

■ 74, 40.387, 9.743

■ 80, 29.659, 8.102

■ 86, 19.253, 6.759

■ 93, 9.308, 5.620

Harmonies

Complementary

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



53, 94.439, 31.926



89, 60.485, 172.535

Rectangle

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



53, 94.439, 31.926



53, 94.439, 81.926



53, 94.439, 211.926



53, 94.439, 261.926

Sweetspot

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



53, 94.435, 31.928



80, 30.007, 8.123



52, 116.747, 321.174



40, 20.659, 8.775



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, 94.435, 31.928



53, 95.167, 32.016



59, 93.664, 47.609



50, 5.394, 5.580



40, 75.926, 31.028



10, 32.100, 19.684

Inverse Universe

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



53, 94.435, 31.928



53, 95.167, 32.016



67, 50.484, 260.182



50, 5.394, 5.580



40, 75.926, 31.028



10, 32.100, 19.684

Previews

White Background



This preview shows how the CIE LCh color 53, 94.439, 31.926 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, 94.439, 31.926 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, 94.439, 31.926

Background



This preview shows how black text looks on a background with the CIELCh color 53, 94.439, 31.926.



This preview shows how white text looks on a background with the CIELCh color 53, 94.439, 31.926.

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, 94.485, 31.892

Protanopia

54, 32.181, 95.510

Deuteranopia

53, 54.650, 82.770



Tritanopia
53, 102.400, 40.748

Trichromacy



Original Color
53, 94.485, 31.892



Protanomaly
47, 50.021, 38.587



Deuteranomaly
48, 66.039, 47.414



Tritanomaly
53, 100.295, 38.477

Monochromacy



Original Color
53, 94.485, 31.892



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 41.279, 15.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 94.439, 31.926 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(253, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 46)  
}
```

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(253, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 94.439, 31.926 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(253, 0, 46) }
```

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

```
.border{ border-color:rgb(253, 0, 46) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 94.439, 31.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 46) }
```

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

```
.background{ background-color: rgb(253, 0,  
46) }
```

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