

Converting Colors

CIELCh(53, 94.644, 31.449)

Have a look what the booklet for
CIELCh(53, 94.644, 31.449) contains.

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Color

CIELCh(53, 94.232, 31.616)

Conversions

Conversions Part 1

Format	Color
Hex	FD002F
RGB	253, 0, 47
RGB Percent	99%, 0%, 18%
CMY	0.0084, 1.0000, 0.8161
CMYK	0.00, 1.00, 0.81, 0.01
HSL	349°, 100%, 50%
HSV	349°, 100%, 99%
XYZ	40.9573, 21.0462, 4.5822
YIQ	81.0050, 135.7010, 68.2530

Conversions

Conversions Part 2

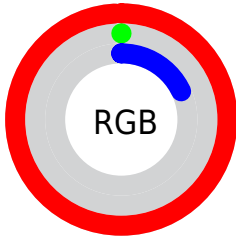
Format	Color
RYB	253, 0, 47
Decimal	16580655
CIELab	53.00, 80.25, 49.40
CIElCh	53, 94.232, 31.616
Yxy	21.0462, 0.6151, 0.3161
Android (android.graphics.Color)	4294770735 (0xFFFD002F)
YUV	81.0050, -16.7645, 150.8396
Hunter-Lab	45.8761, 79.0780, 26.1912

Details

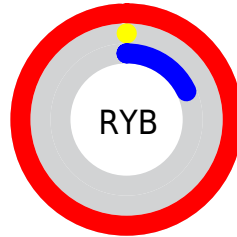
The CIELCh color **53, 94.232, 31.616** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **89, 60.921, 171.966**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.799, 29.490**, and **39, 82.003, 39.560** is the 20% darker color. If you saturate the color by 10%, you get **53, 94.205, 31.635**, and if you desaturate by 10%, it is **54, 87.752, 26.371**.

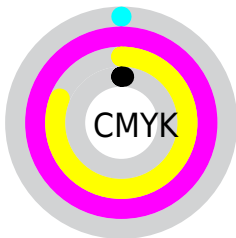
Distribution



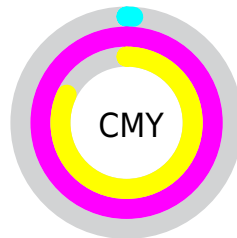
- Red (99%)
- Green (0%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (1%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 94.232, 31.616 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, 94.232, 31.616 by changing the saturation by 10% instead.

 53, 94.232, 31.616

 53, 94.232, 31.616

 100, 94.232,
31.616

 43, 94.232, 31.616

 73, 94.232, 31.616

 33, 94.232, 31.616

 83, 94.232, 31.616

 23, 94.232, 31.616

 93, 94.232, 31.616

 13, 94.232, 31.616

 3, 94.232, 31.616

 0, 94.232, 31.616

 53, 94.232, 31.616

 53, 94.232, 31.616

 53, 94.205, 31.635

 54, 87.752, 26.371

 56, 80.281, 21.445

■ 59, 71.591, 17.322

■ 63, 61.823, 14.026

■ 68, 51.336, 11.430

■ 74, 40.551, 9.379

■ 80, 29.827, 7.733

■ 86, 19.412, 6.386

■ 93, 9.450, 5.242

Harmonies

Complementary

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



53, 94.232, 31.616



89, 60.921, 171.966

Rectangle

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



53, 94.232, 31.616



53, 94.232, 81.616



53, 94.232, 211.616



53, 94.232, 261.616

Sweetspot

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



53, 94.205, 31.635



80, 30.034, 7.735



51, 117.081, 320.569



40, 20.673, 8.388



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, 94.205, 31.635



53, 94.836, 31.660



58, 94.619, 46.793



50, 5.403, 5.189



40, 75.668, 30.663



10, 32.070, 19.443

Inverse Universe

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



53, 94.205, 31.635



53, 94.836, 31.660



68, 49.109, 257.193



50, 5.403, 5.189



40, 75.668, 30.663



10, 32.070, 19.443

Previews

White Background



This preview shows how the CIELCh color 53, 94.232, 31.616 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, 94.232, 31.616 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, 94.232, 31.616

Background



This preview shows how black text looks on a background with the CIELCh color 53, 94.232, 31.616.



This preview shows how white text looks on a background with the CIELCh color 53, 94.232, 31.616.

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, 94.232, 31.616

Protanopia

53, 31.561, 96.233

Deuteranopia

53, 54.054, 82.627



Tritanopia
53, 102.400, 40.748

Trichromacy



Original Color
53, 94.232, 31.616



Protanomaly
47, 49.248, 36.968



Deuteranomaly
48, 65.433, 46.858



Tritanomaly
53, 100.295, 38.477

Monochromacy



Original Color
53, 94.232, 31.616



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 41.215, 14.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 94.232, 31.616 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 94.232, 31.616 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, 47) }
```

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

```
.border{ border-color:rgb(253, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(253, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 94.232, 31.616 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, 47) }
```

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

```
.background{ background-color: rgb(253, 0,  
47) }
```

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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