

Converting Colors

CIELCh(52, 93.375, 31.638)

Have a look what the booklet for
CIELCh(52, 93.375, 31.638) contains.

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Color

CIELCh(52, 93.377, 31.920)

Conversions

Conversions Part 1

Format	Color
Hex	F8002D
RGB	248, 0, 45
RGB Percent	97%, 0%, 18%
CMY	0.0263, 1.0000, 0.8254
CMYK	0.00, 1.00, 0.82, 0.03
HSL	349°, 100%, 49%
HSV	349°, 100%, 97%
XYZ	39.2572, 20.1443, 4.2550
YIQ	79.2820, 133.3630, 66.5710

Conversions

Conversions Part 2

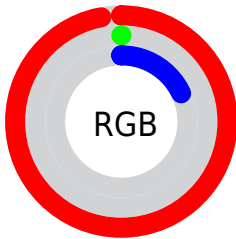
Format	Color
R_{YB}	248, 0, 45
Decimal	16252973
CIE Lab	52.00, 79.26, 49.37
CIE LCh	52, 93.377, 31.920
Yxy	20.1443, 0.6167, 0.3165
Android (android.graphics.Color)	4294443053 (0xFFFF8002D)
YUV	79.2820, -16.9010, 147.9657
Hunter-Lab	44.8824, 77.5840, 25.7968

Details

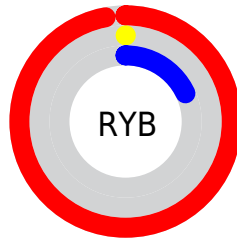
The CIELCh color **52, 93.377, 31.920** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **88, 59.603, 172.639**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 69.502, 30.004**, and **38, 81.167, 39.990** is the 20% darker color. If you saturate the color by 10%, you get **52, 93.258, 32.006**, and if you desaturate by 10%, it is **53, 86.797, 26.797**.

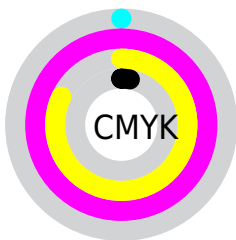
Distribution



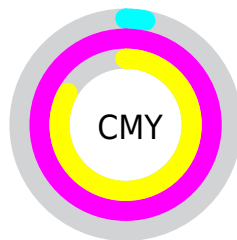
- Red (97%)
- Green (0%)
- Blue (18%)



- Red (97%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 93.377, 31.920 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 52, 93.377, 31.920 by changing the saturation by 10% instead.

 52, 93.377, 31.920

 52, 93.377, 31.920

 100, 93.377,
31.920

 42, 93.377, 31.920

 72, 93.377, 31.920

 32, 93.377, 31.920

 82, 93.377, 31.920

 22, 93.377, 31.920

 92, 93.377, 31.920

 12, 93.377, 31.920

 2, 93.377, 31.920

 0, 93.377, 31.920

 52, 93.377, 31.920

 52, 93.377, 31.920

 52, 93.258, 32.006

 53, 86.797, 26.797

 55, 79.323, 21.892

■ 58, 70.664, 17.777

■ 62, 60.968, 14.482

■ 67, 50.589, 11.887

■ 72, 39.936, 9.836

■ 78, 29.359, 8.194

■ 85, 19.099, 6.850

■ 91, 9.294, 5.710

Harmonies

Complementary

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



52, 93.377, 31.920



88, 59.603, 172.639

Rectangle

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



52, 93.377, 31.920



52, 93.377, 81.920



52, 93.377, 211.920



52, 93.377, 261.920

Sweetspot

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



52, 93.258, 32.006



80, 30.002, 8.200



51, 115.199, 321.174



40, 20.656, 8.852



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 93.258, 32.006



53, 95.232, 32.086



58, 92.457, 47.625



49, 5.303, 5.656



39, 75.183, 31.046



9, 31.093, 18.738

Inverse Universe

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



52, 93.258, 32.006



53, 95.232, 32.086



66, 49.816, 260.193



49, 5.303, 5.656



39, 75.183, 31.046



9, 31.093, 18.738

Previews

White Background



This preview shows how the CIELCh color 52, 93.377, 31.920 looks on a white background.

Color Contrast Check

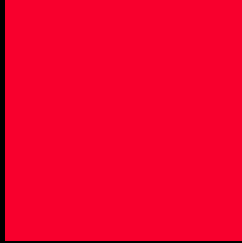
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 93.377, 31.920 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 52, 93.377, 31.920

Background



This preview shows how black text looks on a background with the CIELCh color 52, 93.377, 31.920.



This preview shows how white text looks on a background with the CIELCh color 52, 93.377, 31.920.

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

52, 93.036, 31.858

Protanopia

53, 32.161, 96.241

Deuteranopia

53, 54.249, 82.525



Tritanopia
52, 100.802, 40.783

Trichromacy



Original Color
52, 93.036, 31.858



Protanomaly
46, 49.048, 38.257



Deuteranomaly
47, 65.318, 47.634



Tritanomaly
52, 98.831, 38.557

Monochromacy



Original Color
52, 93.036, 31.858



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 41.378, 15.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 93.377, 31.920 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(248, 0, 45)` looks like.

```
.text, #text, p{  
  color:rgb(248, 0, 45)  
}
```

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(248, 0, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 93.377, 31.920 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(248, 0, 45) }
```

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

```
.border{ border-color:rgb(248, 0, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 0, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(248, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 93.377, 31.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 0, 45) }
```

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

```
.background{ background-color: rgb(248, 0,  
45) }
```

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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