

Converting Colors

CIELCh(52, 92.748, 31.743)

Have a look what the booklet for
CIELCh(52, 92.748, 31.743) contains.

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Color

CIELCh(52, 92.685, 31.646)

Conversions

Conversions Part 1

Format	Color
Hex	F8012E
RGB	248, 1, 46
RGB Percent	97%, 0%, 18%
CMY	0.0282, 0.9947, 0.8201
CMYK	0.00, 0.99, 0.81, 0.03
HSL	349°, 99%, 49%
HSV	349°, 99%, 97%
XYZ	39.1454, 20.1443, 4.3962
YIQ	79.9830, 132.7670, 66.3590

Conversions

Conversions Part 2

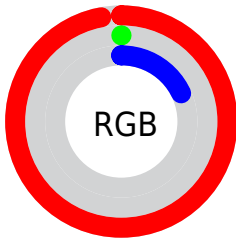
Format	Color
R_{YB}	248, 1, 46
Decimal	16253230
CIE _{Lab}	52.00, 78.90, 48.63
CIE _{LCh}	52, 92.685, 31.646
Yxy	20.1443, 0.6147, 0.3163
Android (android.graphics.Color)	4294443310 (0xFFFF8012E)
YUV	79.9830, -16.7536, 147.3509
Hunter-Lab	44.8824, 77.1393, 25.6103

Details

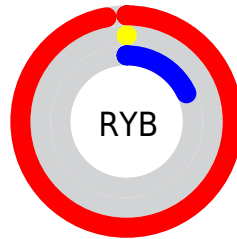
The CIELCh color **52, 92.685, 31.646** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **88, 59.501, 172.602**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 69.283, 29.593**, and **38, 80.915, 39.765** is the 20% darker color. If you saturate the color by 10%, you get **52, 93.029, 31.913**, and if you desaturate by 10%, it is **53, 86.218, 26.411**.

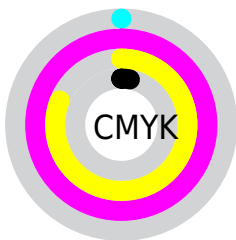
Distribution



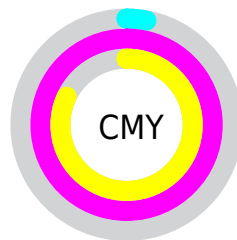
- Red (97%)
- Green (0%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (81%)
- Black (3%)



- Cyan (3%)
- Magenta (99%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 92.685, 31.646 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, 92.685, 31.646 by changing the saturation by 10% instead.

 52, 92.685, 31.646

 52, 92.685, 31.646

 100, 92.685,
31.646

 42, 92.685, 31.646

 72, 92.685, 31.646

 32, 92.685, 31.646

 82, 92.685, 31.646

 22, 92.685, 31.646

 92, 92.685, 31.646

 12, 92.685, 31.646

 2, 92.685, 31.646

 0, 92.685, 31.646

 52, 92.685, 31.646

 52, 92.685, 31.646

 52, 93.029, 31.913

 53, 86.218, 26.411

 55, 78.711, 21.542

■ 58, 70.020, 17.475

■ 62, 60.305, 14.224

■ 67, 49.926, 11.664

■ 73, 39.291, 9.641

■ 79, 28.746, 8.017

■ 85, 18.525, 6.686

■ 91, 8.761, 5.554

Harmonies

Complementary

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



52, 92.685, 31.646



88, 59.501, 172.602

Rectangle

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



52, 92.685, 31.646



52, 92.685, 81.646



52, 92.685, 211.646



52, 92.685, 261.646

Sweetspot

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



52, 92.681, 31.648



80, 30.009, 8.104



51, 114.891, 321.201



40, 20.660, 8.756



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, 92.681, 31.648



53, 95.150, 31.999



58, 91.928, 47.698



49, 5.305, 5.559



39, 75.120, 30.957



9, 31.087, 18.681

Inverse Universe

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



52, 92.681, 31.648



53, 95.150, 31.999



66, 49.568, 259.911



49, 5.305, 5.559



39, 75.120, 30.957



9, 31.087, 18.681

Previews

White Background



This preview shows how the CIELCh color 52, 92.685, 31.646 looks on a white background.

Color Contrast Check

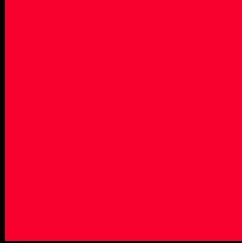
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 92.685, 31.646 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, 92.685, 31.646

Background



This preview shows how black text looks on a background with the CIELCh color 52, 92.685, 31.646.



This preview shows how white text looks on a background with the CIELCh color 52, 92.685, 31.646.

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, 92.734, 31.611

Protanopia

53, 31.100, 96.072

Deuteranopia

52, 53.152, 82.776



Tritanopia
52, 100.802, 40.783

Trichromacy



Original Color
52, 92.734, 31.611



Protanomaly
47, 48.502, 38.284



Deuteranomaly
47, 64.406, 46.785



Tritanomaly
52, 98.645, 38.412

Monochromacy



Original Color
52, 92.734, 31.611



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 40.854, 14.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 92.685, 31.646 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, 1, 46)` looks like.

```
.text, #text, p{  
    color:rgb(248, 1, 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(248, 1, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 1, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 92.685, 31.646 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, 1, 46) }
```

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

```
.border{ border-color:rgb(248, 1, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 1, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 1, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 1, 46);  
box-shadow:4px 4px 4px 4px rgb(248, 1, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 92.685, 31.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 1, 46) }
```

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

```
.background{ background-color: rgb(248, 1,  
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](#).

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