

Converting Colors

CIELCh(52, 91.700, 30.542)

Have a look what the booklet for
CIELCh(52, 91.700, 30.542) contains.

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Color

CIELCh(52, 91.726, 30.449)

Conversions

Conversions Part 1

Format	Color
Hex	F80032
RGB	248, 0, 50
RGB Percent	97%, 0%, 20%
CMY	0.0284, 0.9992, 0.8046
CMYK	0.00, 1.00, 0.80, 0.03
HSL	348°, 100%, 49%
HSV	348°, 100%, 97%
XYZ	39.1997, 20.1443, 4.8215
YIQ	79.8520, 131.7580, 68.1260

Conversions

Conversions Part 2

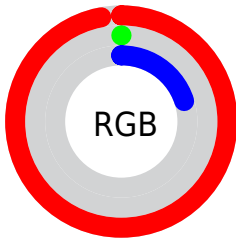
Format	Color
R_YB	248, 0, 50
Decimal	16252978
CIE Lab	52.00, 79.08, 46.48
CIE LCh	52, 91.726, 30.449
Yxy	20.1443, 0.6109, 0.3139
Android (android.graphics.Color)	4294443058 (0xFF80032)
YUV	79.8520, -14.7170, 147.4658
Hunter-Lab	44.8824, 77.3552, 25.0484

Details

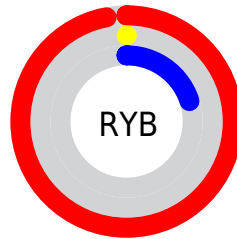
The CIELCh color **52, 91.726, 30.449** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **88, 61.135, 170.442**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.447, 27.912**, and **38, 79.710, 38.650** is the 20% darker color. If you saturate the color by 10%, you get **52, 91.773, 30.493**, and if you desaturate by 10%, it is **53, 85.581, 25.101**.

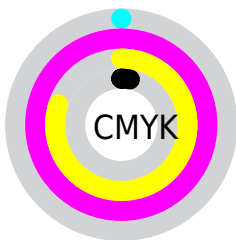
Distribution



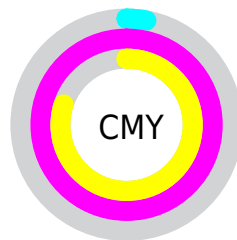
- Red (97%)
- Green (0%)
- Blue (20%)



- Red (97%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 91.726, 30.449 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, 91.726, 30.449 by changing the saturation by 10% instead.

 52, 91.726, 30.449

 52, 91.726, 30.449

 100, 91.726,
30.449

 42, 91.726, 30.449

 72, 91.726, 30.449

 32, 91.726, 30.449

 82, 91.726, 30.449

 22, 91.726, 30.449

 92, 91.726, 30.449

 12, 91.726, 30.449

 2, 91.726, 30.449

 0, 91.726, 30.449

 52, 91.726, 30.449

 52, 91.726, 30.449

 52, 91.773, 30.493

 53, 85.581, 25.101

 55, 78.464, 20.175

■ 58, 70.107, 16.084

■ 62, 60.638, 12.823

■ 67, 50.416, 10.255

■ 72, 39.862, 8.220

■ 78, 29.336, 6.583

■ 85, 19.088, 5.237

■ 91, 9.263, 4.090

Harmonies

Complementary

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



52, 91.726, 30.449



88, 61.135, 170.442

Rectangle

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



52, 91.726, 30.449



52, 91.726, 80.449



52, 91.726, 210.449



52, 91.726, 260.449

Sweetspot

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



52, 91.722, 30.451



80, 30.121, 6.602



50, 115.563, 319.992



40, 20.722, 7.254



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, 91.722, 30.451



53, 93.876, 30.582



56, 93.897, 46.084



49, 5.341, 4.045



39, 74.140, 29.504



9, 30.989, 17.750

Inverse Universe

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



52, 91.722, 30.451



53, 93.876, 30.582



68, 47.053, 253.901



49, 5.341, 4.045



39, 74.140, 29.504



9, 30.989, 17.750

Previews

White Background



This preview shows how the CIELCh color 52, 91.726, 30.449 looks on a white background.

Color Contrast Check

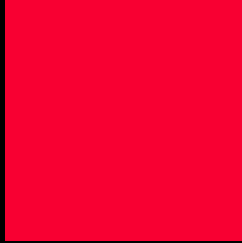
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.726, 30.449 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, 91.726, 30.449

Background



This preview shows how black text looks on a background with the CIELCh color 52, 91.726, 30.449.



This preview shows how white text looks on a background with the CIELCh color 52, 91.726, 30.449.

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, 91.775, 30.413

Protanopia

53, 28.327, 96.452

Deuteranopia

52, 50.785, 82.156



Tritanopia
52, 100.802, 40.783

Trichromacy



Original Color
52, 91.775, 30.413



Protanomaly
46, 46.913, 34.779



Deuteranomaly
47, 62.839, 45.223



Tritanomaly
52, 98.453, 38.261

Monochromacy



Original Color
52, 91.775, 30.413



Achromatopsia
34, 0.005, 296.813



Achromatomaly
35, 40.802, 13.280

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 91.726, 30.449 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(248, 0, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 0, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 91.726, 30.449 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, 50) }
```

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

```
.border{ border-color:rgb(248, 0, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(248, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 91.726, 30.449 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, 50) }
```

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

```
.background{ background-color: rgb(248, 0,  
50) }
```

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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