

Converting Colors

CIELCh(52, 87.627, 24.828)

Have a look what the booklet for
CIELCh(52, 87.627, 24.828) contains.

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Color

CIELCh(52, 87.512, 24.792)

Conversions

Conversions Part 1

Format	Color
Hex	F70043
RGB	247, 0, 67
RGB Percent	97%, 0%, 26%
CMY	0.0319, 1.0000, 0.7376
CMYK	0.00, 1.00, 0.73, 0.03
HSL	344°, 100%, 48%
HSV	344°, 100%, 97%
XYZ	39.3172, 20.1443, 7.1120
YIQ	81.4910, 125.7050, 73.2010

Conversions

Conversions Part 2

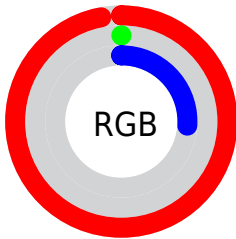
Format	Color
R_{YB}	247, 0, 67
Decimal	16187459
CIE _{Lab}	52.00, 79.45, 36.70
CIE _{LCh}	52, 87.512, 24.792
Yxy	20.1443, 0.5906, 0.3026
Android (android.graphics.Color)	4294377539 (0xFFFF70043)
YUV	81.4910, -7.1441, 145.1514
Hunter-Lab	44.8824, 77.8223, 22.0227

Details

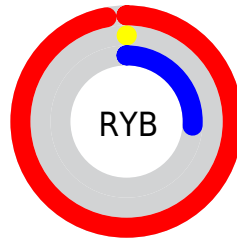
The CIELCh color **52, 87.512, 24.792** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **87, 66.855, 163.825**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.571, 19.785**, and **38, 74.788, 33.617** is the 20% darker color. If you saturate the color by 10%, you get **52, 87.487, 24.809**, and if you desaturate by 10%, it is **53, 82.617, 19.269**.

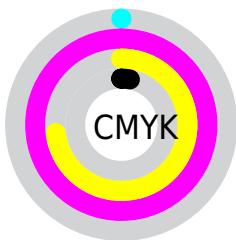
Distribution



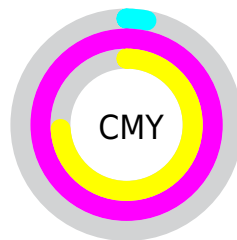
- Red (97%)
- Green (0%)
- Blue (26%)



- Red (97%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (3%)



- Cyan (3%)
- Magenta (100%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 87.512, 24.792 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, 87.512, 24.792 by changing the saturation by 10% instead.

 52, 87.512, 24.792

 52, 87.512, 24.792

 100, 87.512,
24.792

 42, 87.512, 24.792

 72, 87.512, 24.792

 32, 87.512, 24.792

 82, 87.512, 24.792

 22, 87.512, 24.792

 92, 87.512, 24.792

 12, 87.512, 24.792

 2, 87.512, 24.792

 0, 87.512, 24.792

 52, 87.512, 24.792

 52, 87.512, 24.792

 52, 87.487, 24.809

 53, 82.617, 19.269

 55, 76.707, 14.416

■ 58, 69.295, 10.485

■ 62, 60.494, 7.381

■ 67, 50.696, 4.933

■ 72, 40.365, 2.978

■ 78, 29.897, 1.385

■ 84, 19.578, 0.055

■ 91, 9.584, 358.907

Harmonies

Complementary

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



52, 87.512, 24.792



87, 66.855, 163.825

Rectangle

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



52, 87.512, 24.792



52, 87.512, 74.792



52, 87.512, 204.792



52, 87.512, 254.792

Sweetspot

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



52, 87.487, 24.809



80, 30.695, 1.392



47, 116.597, 317.731



40, 21.069, 2.028



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, 87.487, 24.809



54, 89.727, 24.917



54, 96.727, 43.580



48, 5.404, 358.850



39, 70.272, 23.711



9, 29.751, 12.985

Inverse Universe

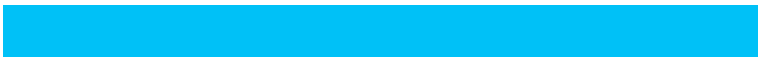
The Inverse Universe completely reimagines the original color for something new.



52, 87.487, 24.809



54, 89.727, 24.917



73, 43.427, 240.027



48, 5.404, 358.850



39, 70.272, 23.711



9, 29.751, 12.985

Previews

White Background



This preview shows how the CIELCh color 52, 87.512, 24.792 looks on a white background.

Color Contrast Check

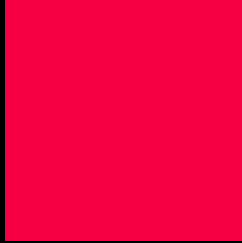
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.512, 24.792 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, 87.512, 24.792

Background



This preview shows how black text looks on a background with the CIELCh color 52, 87.512, 24.792.



This preview shows how white text looks on a background with the CIELCh color 52, 87.512, 24.792.

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, 87.512, 24.792

Protanopia

52, 14.805, 94.858

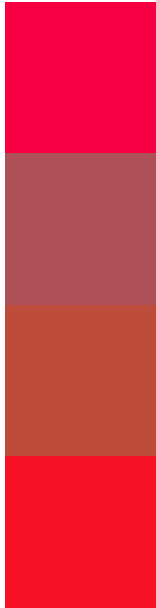
Deuteranopia

52, 41.068, 79.918



Tritanopia
52, 96.725, 38.631

Trichromacy



Original Color
52, 87.512, 24.792

Protanomaly
46, 41.584, 19.690

Deuteranomaly
47, 55.454, 36.711

Tritanomaly
52, 93.523, 34.516

Monochromacy



Original Color
52, 87.512, 24.792

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 40.301, 7.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 87.512, 24.792 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(247, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 67)  
}
```

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(247, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 87.512, 24.792 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(247, 0, 67) }
```

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

```
.border{ border-color:rgb(247, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 87.512, 24.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 67) }
```

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

```
.background{ background-color: rgb(247, 0,  
67) }
```

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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