

Converting Colors

CIELCh(52, 87.268, 24.209)

Have a look what the booklet for
CIELCh(52, 87.268, 24.209) contains.

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Color

CIELCh(52, 87.306, 24.440)

Conversions

Conversions Part 1

Format	Color
Hex	F70044
RGB	247, 0, 68
RGB Percent	97%, 0%, 27%
CMY	0.0321, 1.0000, 0.7338
CMYK	0.00, 1.00, 0.72, 0.03
HSL	343°, 100%, 48%
HSV	343°, 100%, 97%
XYZ	39.3287, 20.1443, 7.2651
YIQ	81.6050, 125.3840, 73.5120

Conversions

Conversions Part 2

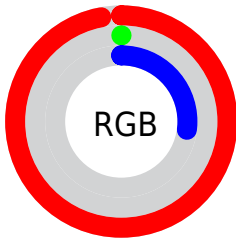
Format	Color
RYB	247, 0, 68
Decimal	16187460
CIELab	52.00, 79.48, 36.12
CIELCh	52, 87.306, 24.440
Yxy	20.1443, 0.5893, 0.3018
Android (android.graphics.Color)	4294377540 (0xFFFF70044)
YUV	81.6050, -6.7073, 145.0514
Hunter-Lab	44.8824, 77.8682, 21.8204

Details

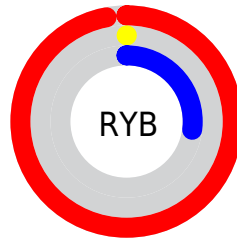
The CIELCh color **52, 87.306, 24.440** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **87, 67.191, 163.485**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.457, 19.311**, and **38, 74.517, 33.272** is the 20% darker color. If you saturate the color by 10%, you get **52, 87.272, 24.463**, and if you desaturate by 10%, it is **53, 82.479, 18.924**.

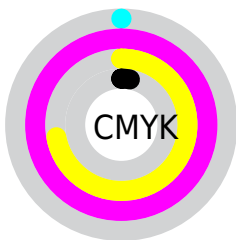
Distribution



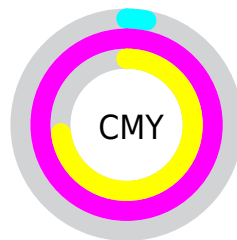
- Red (97%)
- Green (0%)
- Blue (27%)



- Red (97%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 87.306, 24.440 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, 87.306, 24.440 by changing the saturation by 10% instead.

 52, 87.306, 24.440

 52, 87.306, 24.440

 100, 87.306,
24.440

 42, 87.306, 24.440

 72, 87.306, 24.440

 32, 87.306, 24.440

 82, 87.306, 24.440

 22, 87.306, 24.440

 92, 87.306, 24.440

 12, 87.306, 24.440

 2, 87.306, 24.440

 0, 87.306, 24.440

 52, 87.306, 24.440

 52, 87.306, 24.440

 52, 87.272, 24.463

 53, 82.479, 18.924

 55, 76.634, 14.082

■ 58, 69.270, 10.165

■ 62, 60.501, 7.073

■ 67, 50.723, 4.635

■ 72, 40.400, 2.686

■ 78, 29.932, 1.097

■ 84, 19.607,
359.770

■ 91, 9.600, 358.623

Harmonies

Complementary

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



52, 87.306, 24.440



87, 67.191, 163.485

Rectangle

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



52, 87.306, 24.440



52, 87.306, 74.440



52, 87.306, 204.440



52, 87.306, 254.440

Sweetspot

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



52, 87.272, 24.463



80, 30.736, 1.104



47, 116.581, 317.731



40, 21.094, 1.739



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, 87.272, 24.463



54, 89.519, 24.572



54, 96.713, 43.580



48, 5.413, 358.566



39, 70.120, 23.365



9, 29.740, 12.750

Inverse Universe

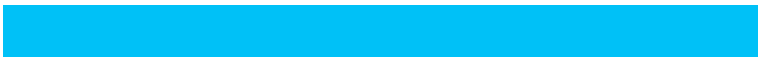
The Inverse Universe completely reimagines the original color for something new.



52, 87.272, 24.463



54, 89.519, 24.572



73, 43.421, 240.027



48, 5.413, 358.566



39, 70.120, 23.365



9, 29.740, 12.750

Previews

White Background



This preview shows how the CIELCh color 52, 87.306, 24.440 looks on a white background.

Color Contrast Check

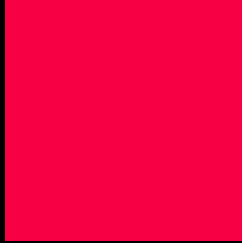
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.306, 24.440 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, 87.306, 24.440

Background



This preview shows how black text looks on a background with the CIELCh color 52, 87.306, 24.440.



This preview shows how white text looks on a background with the CIELCh color 52, 87.306, 24.440.

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, 87.306, 24.440

Protanopia

53, 14.246, 94.428

Deuteranopia

52, 40.600, 79.702



Tritanopia
52, 96.421, 38.537

Trichromacy



Original Color
52, 87.306, 24.440



Protanomaly
46, 41.485, 18.896



Deuteranomaly
47, 55.168, 36.214



Tritanomaly
52, 93.199, 34.317

Monochromacy



Original Color
52, 87.306, 24.440



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 40.705, 7.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 87.306, 24.440 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 87.306, 24.440 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, 68) }
```

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

```
.border{ border-color:rgb(247, 0, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 87.306, 24.440 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, 68) }
```

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

```
.background{ background-color: rgb(247, 0,  
68) }
```

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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