

Converting Colors

CIELCh(52, 87.134, 28.259)

Have a look what the booklet for
CIELCh(52, 87.134, 28.259) contains.

CIELCh(52, 86.999, 28.155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(52, 86.999, 28.155)

Conversions

Conversions Part 1

Format	Color
Hex	F4163B
RGB	244, 22, 59
RGB Percent	96%, 9%, 23%
CMY	0.0423, 0.9156, 0.7680
CMYK	0.00, 0.91, 0.76, 0.04
HSL	350°, 91%, 52%
HSV	350°, 91%, 96%
XYZ	38.4555, 20.1443, 6.0196
YIQ	92.5960, 120.4350, 58.5710

Conversions

Conversions Part 2

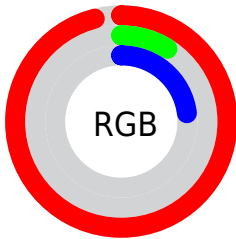
Format	Color
RYB	244, 22, 59
Decimal	15996475
CIELab	52.00, 76.70, 41.05
CIElCh	52, 86.999, 28.155
Yxy	20.1443, 0.5951, 0.3117
Android (android.graphics.Color)	4294186555 (0xFFFF4163B)
YUV	92.5960, -16.5628, 132.7813
Hunter-Lab	44.8824, 74.3953, 23.4658

Details

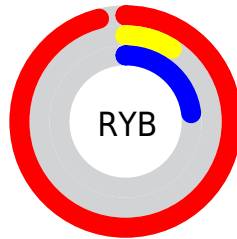
The CIELCh color **52, 86.999, 28.155** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **87, 56.407, 175.281**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.456, 24.753**, and **37, 75.816, 35.950** is the 20% darker color. If you saturate the color by 10%, you get **51, 92.698, 32.659**, and if you desaturate by 10%, it is **54, 79.579, 23.213**.

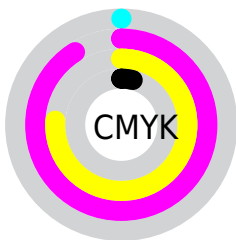
Distribution



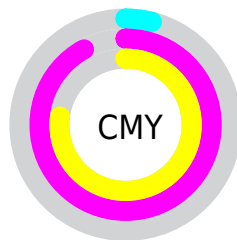
- Red (96%)
- Green (9%)
- Blue (23%)



- Red (96%)
- Yellow (9%)
- Blue (23%)



- Cyan (0%)
- Magenta (91%)
- Yellow (76%)
- Black (4%)



- Cyan (4%)
- Magenta (92%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 86.999, 28.155 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, 86.999, 28.155 by changing the saturation by 10% instead.

 52, 86.999, 28.155

 52, 86.999, 28.155

 100, 86.999,
28.155

 42, 86.999, 28.155

 72, 86.999, 28.155

 32, 86.999, 28.155

 82, 86.999, 28.155

 22, 86.999, 28.155

 92, 86.999, 28.155

 12, 86.999, 28.155

 2, 86.999, 28.155

 0, 86.999, 28.155

 52, 86.999, 28.155

 52, 86.999, 28.155

 51, 92.698, 32.659

 54, 79.579, 23.213

 57, 71.013, 19.006

61, 61.433, 15.618

65, 51.170, 12.946

71, 40.625, 10.838

76, 30.145, 9.156

83, 19.977, 7.787

89, 10.261, 6.636

95, 1.061, 5.183

Harmonies

Complementary

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



52, 86.999, 28.155



87, 56.407, 175.281

Rectangle

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



52, 86.999, 28.155



52, 86.999, 78.155



52, 86.999, 208.155



52, 86.999, 258.155

Sweetspot

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



52, 86.995, 28.157



82, 26.764, 8.559



52, 111.376, 321.581



41, 18.183, 9.051



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, 86.995, 28.157



53, 95.905, 32.786



59, 84.949, 48.980



48, 5.197, 6.454



39, 74.904, 31.716



8, 30.122, 18.090

Inverse Universe

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



52, 86.995, 28.157



53, 95.905, 32.786



67, 46.579, 255.640



48, 5.197, 6.454



39, 74.904, 31.716



8, 30.122, 18.090

Previews

White Background



This preview shows how the CIELCh color 52, 86.999, 28.155 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, 86.999, 28.155 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, 86.999, 28.155

Background



This preview shows how black text looks on a background with the CIELCh color 52, 86.999, 28.155.



This preview shows how white text looks on a background with the CIELCh color 52, 86.999, 28.155.

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, 86.913, 28.220

Protanopia

52, 21.689, 95.635

Deuteranopia

52, 45.139, 81.551



Tritanopia
52, 94.551, 38.025

Trichromacy



Original Color
52, 86.913, 28.220

Protanomaly
48, 41.274, 32.006

Deuteranomaly
49, 56.006, 44.794

Tritanomaly
52, 91.916, 35.135

Monochromacy



Original Color
52, 86.913, 28.220

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 36.492, 13.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 86.999, 28.155 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(244, 22, 59)` looks like.

```
.text, #text, p{  
    color:rgb(244, 22, 59)  
}
```

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(244, 22, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 22, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 86.999, 28.155 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(244, 22, 59) }
```

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

```
.border{ border-color:rgb(244, 22, 59) }
```

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

Here you see how a box with a 4 pixel rgb(244, 22, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 22, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 22, 59);  
box-shadow:4px 4px 4px 4px rgb(244, 22,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 86.999, 28.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 22, 59) }
```

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

```
.background{ background-color: rgb(244, 22,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor