

Converting Colors

CIELCh(58, 80.714, 28.340)

Have a look what the booklet for
CIELCh(58, 80.714, 28.340) contains.

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Color

CIELCh(58, 80.074, 28.352)

Conversions

Conversions Part 1

Format	Color
Hex	FF434E
RGB	255, 67, 78
RGB Percent	100%, 26%, 31%
CMY	0.0000, 0.7378, 0.6957
CMYK	0.00, 0.74, 0.70, 0.00
HSL	357°, 100%, 63%
HSV	357°, 74%, 100%
XYZ	44.9088, 25.9610, 9.7772
YIQ	124.4660, 108.5170, 43.2770

Conversions

Conversions Part 2

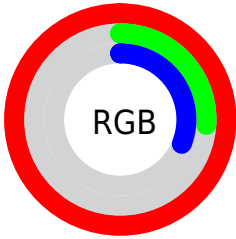
Format	Color
R_{YB}	255, 67, 78
Decimal	16728910
CIE _{Lab}	58.00, 70.47, 38.03
CIE _{LCh}	58, 80.074, 28.352
Yxy	25.9610, 0.5569, 0.3219
Android (android.graphics.Color)	4294918990 (0xFFFF434E)
YUV	124.4660, -22.9077, 114.4783
Hunter-Lab	50.9519, 68.1632, 24.2892

Details

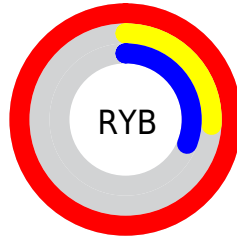
The CIELCh color **58, 80.074, 28.352** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 48.187, 189.756**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 53.420, 25.763**, and **40, 75.875, 31.471** is the 20% darker color. If you saturate the color by 10%, you get **55, 89.989, 32.368**, and if you desaturate by 10%, it is **62, 68.603, 24.811**.

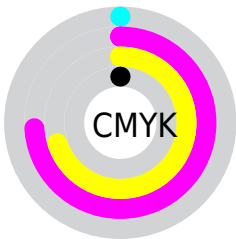
Distribution



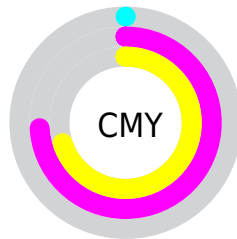
- Red (100%)
- Green (26%)
- Blue (31%)



- Red (100%)
- Yellow (26%)
- Blue (31%)



- Cyan (0%)
- Magenta (74%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 80.074, 28.352 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 58, 80.074, 28.352 by changing the saturation by 10% instead.

 58, 80.074, 28.352

 58, 80.074, 28.352

 100, 80.074,
28.352

 48, 80.074, 28.352

 78, 80.074, 28.352

 38, 80.074, 28.352

 88, 80.074, 28.352

 28, 80.074, 28.352

 98, 80.074, 28.352

 18, 80.074, 28.352

 8, 80.074, 28.352

 0, 80.074, 28.352

 58, 80.074, 28.352

 58, 80.074, 28.352

 55, 89.989, 32.368

 62, 68.603, 24.811

 54, 98.519, 36.460

 66, 56.997, 22.013

53, 102.369,
38.416

72, 45.347, 19.828

78, 33.987, 18.130

84, 23.147, 16.799

91, 12.946, 15.733

97, 3.424, 14.756

100, 0.012,
296.813

Harmonies

Complementary

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



58, 80.074, 28.352



91, 48.187, 189.756

Rectangle

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



58, 80.074, 28.352



58, 80.074, 78.352



58, 80.074, 208.352



58, 80.074, 258.352

Sweetspot

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



58, 79.755, 28.299



85, 21.286, 16.593



62, 103.924, 325.688



43, 14.437, 16.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 79.755, 28.299



54, 94.739, 34.565



72, 67.531, 59.778



50, 5.261, 15.330



40, 81.852, 37.849



10, 32.911, 24.883

Inverse Universe

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



58, 79.755, 28.299



54, 94.739, 34.565



68, 49.206, 265.382



50, 5.261, 15.330



40, 81.852, 37.849



10, 32.911, 24.883

Previews

White Background



This preview shows how the CIELCh color 58, 80.074, 28.352 looks on a white background.

Color Contrast Check

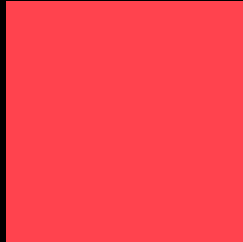
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 80.074, 28.352 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 58, 80.074, 28.352

Background



This preview shows how black text looks on a background with the CIELCh color 58, 80.074, 28.352.



This preview shows how white text looks on a background with the CIELCh color 58, 80.074, 28.352.

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

58, 79.639, 28.180

Protanopia

58, 20.202, 95.532

Deuteranopia

58, 41.346, 79.741



Tritanopia
58, 81.050, 30.852

Trichromacy



Original Color
58, 79.639, 28.180

Protanomaly
55, 36.024, 40.019

Deuteranomaly
56, 50.110, 47.993

Tritanomaly
58, 80.571, 30.160

Monochromacy



Original Color
58, 79.639, 28.180

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 29.786, 18.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 80.074, 28.352 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(255, 67, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 78)  
}
```

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(255, 67, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 80.074, 28.352 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(255, 67, 78) }
```

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

```
.border{ border-color:rgb(255, 67, 78) }
```

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

Here you see how a box with a 4 pixel rgb(255, 67, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 67, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 67, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 67,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 80.074, 28.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 78) }
```

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

```
.background{ background-color: rgb(255, 67,  
78) }
```

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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