

Converting Colors

CIELCh(59, 86.153, 34.552)

Have a look what the booklet for
CIELCh(59, 86.153, 34.552) contains.

CIELCh(58, 83.854, 34.421)	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(58, 83.854, 34.421)

Conversions

Conversions Part 1

Format	Color
Hex	FF453D
RGB	255, 69, 61
RGB Percent	100%, 27%, 24%
CMY	0.0000, 0.7303, 0.7626
CMYK	0.00, 0.73, 0.76, 0.00
HSL	3°, 100%, 62%
HSV	3°, 76%, 100%
XYZ	44.4615, 25.9610, 7.0173
YIQ	123.7020, 113.4240, 36.9440

Conversions

Conversions Part 2

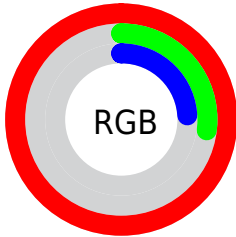
Format	Color
RYB	255, 69, 61
Decimal	16729405
CIELab	58.00, 69.17, 47.40
CIELCh	58, 83.854, 34.421
Yxy	25.9610, 0.5741, 0.3352
Android (android.graphics.Color)	4294919485 (0xFFFF453D)
YUV	123.7020, -30.9121, 115.1483
Hunter-Lab	50.9519, 66.5963, 27.5007

Details

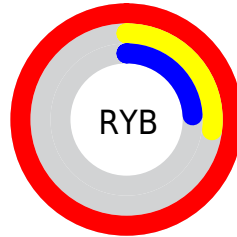
The CIELCh color **58, 83.854, 34.421** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **89, 44.867, 202.226**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 56.530, 35.087**, and **40, 80.297, 36.698** is the 20% darker color. If you saturate the color by 10%, you get **55, 94.371, 37.423**, and if you desaturate by 10%, it is **61, 71.596, 31.531**.

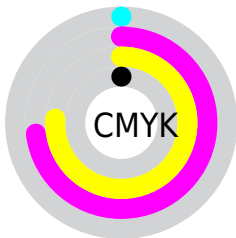
Distribution



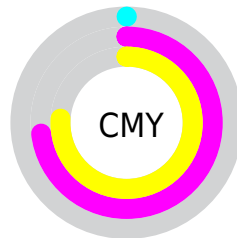
- Red (100%)
- Green (27%)
- Blue (24%)



- Red (100%)
- Yellow (27%)
- Blue (24%)



- Cyan (0%)
- Magenta (73%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 83.854, 34.421 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, 83.854, 34.421 by changing the saturation by 10% instead.

 58, 83.854, 34.421

 58, 83.854, 34.421

 100, 83.854,
34.421

 48, 83.854, 34.421

 78, 83.854, 34.421

 38, 83.854, 34.421

 88, 83.854, 34.421

 28, 83.854, 34.421

 98, 83.854, 34.421

 18, 83.854, 34.421

 8, 83.854, 34.421

 0, 83.854, 34.421

 58, 83.854, 34.421

 58, 83.854, 34.421

 55, 94.371, 37.423

 61, 71.596, 31.531

 54, 102.100,

 66, 59.356, 29.138

39.642

71, 47.318, 27.263

53, 104.071,
40.297

77, 35.781, 25.832

83, 24.923, 24.752

89, 14.820, 23.933

96, 5.477, 23.260

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, 83.854, 34.421



89, 44.867, 202.226

Rectangle

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



58, 83.854, 34.421



58, 83.854, 84.421



58, 83.854, 214.421



58, 83.854, 264.421

Sweetspot

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



58, 83.561, 34.405



85, 21.545, 24.461



63, 103.738, 329.092



43, 15.130, 24.785



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, 83.561, 34.405



54, 99.365, 38.882



75, 69.308, 68.394



50, 5.041, 23.477



40, 83.649, 40.426



10, 32.517, 29.241

Inverse Universe

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



89, 44.867, 202.226



88, 47.003, 202.960



62, 59.694, 277.807



52, 4.740, 202.784



68, 38.117, 203.340



23, 17.648, 202.456

Previews

White Background



This preview shows how the CIELCh color 58, 83.854, 34.421 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, 83.854, 34.421 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, 83.854, 34.421

Background



This preview shows how black text looks on a background with the CIELCh color 58, 83.854, 34.421.



This preview shows how white text looks on a background with the CIELCh color 58, 83.854, 34.421.

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, 83.391, 34.309

Protanopia

58, 32.416, 95.204

Deuteranopia

58, 50.509, 81.383



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 83.391, 34.309

Protanomaly
55, 43.531, 52.140

Deuteranomaly
56, 57.359, 54.986

Tritanomaly
58, 82.040, 32.198

Monochromacy



Original Color
58, 83.391, 34.309

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 30.023, 26.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 83.854, 34.421 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, 69, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 61)  
}
```

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, 69, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 83.854, 34.421 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, 69, 61) }
```

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

```
.border{ border-color:rgb(255, 69, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 69, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 69, 61); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 69, 61); box-shadow:4px 4px 4px 4px rgb(255, 69, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 83.854, 34.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 61) }
```

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

```
.background{ background-color: rgb(255, 69,  
61) }
```

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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