

Converting Colors

CIELCh(59, 86.763, 40.214)

Have a look what the booklet for
CIELCh(59, 86.763, 40.214) contains.

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Color

CIELCh(59, 86.183, 40.361)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF4E2E |
| RGB | 255, 78, 46 |
| RGB Percent | 100%, 31%, 18% |
| CMY | 0.0000, 0.6950, 0.8211 |
| CMYK | 0.00, 0.69, 0.82, 0.00 |
| HSL | 9°, 100%, 59% |
| HSV | 9°, 82%, 100% |
| XYZ | 44.7399, 27.0277, 5.4038 |
| YIQ | 127.2750, 115.7640, 27.5720 |

Conversions

Conversions Part 2

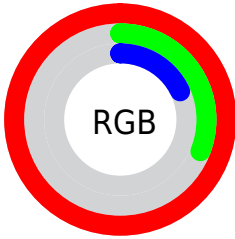
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 255, 84, 46 |
| Decimal | 16731694 |
| CIE _{Lab} | 59.00, 65.67, 55.81 |
| CIE _{LCh} | 59, 86.183, 40.361 |
| Yxy | 27.0277, 0.5797, 0.3502 |
| Android (android.graphics.Color) | 4294921774 (0xFFFF4E2E) |
| YUV | 127.2750, -40.0686, 112.0148 |
| Hunter-Lab | 51.9882, 62.6336, 30.2290 |

Details

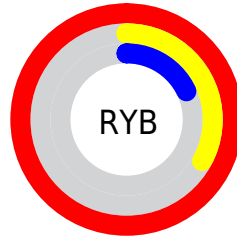
The CIELCh color **59, 86.183, 40.361** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **82, 42.128, 221.211**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 59.241, 45.173**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 95.963, 41.556**, and if you desaturate by 10%, it is **62, 74.066, 38.813**.

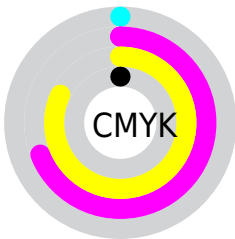
Distribution



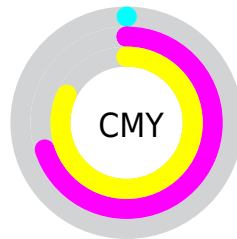
- Red (100%)
- Green (31%)
- Blue (18%)



- Red (100%)
- Yellow (33%)
- Blue (18%)



- Cyan (0%)
- Magenta (69%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 86.183, 40.361 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 59, 86.183, 40.361 by changing the saturation by 10% instead.

 59, 86.183, 40.361

 59, 86.183, 40.361

 100, 86.183,
40.361

 49, 86.183, 40.361

 79, 86.183, 40.361

 39, 86.183, 40.361

 89, 86.183, 40.361

 29, 86.183, 40.361

 99, 86.183, 40.361

 19, 86.183, 40.361

 9, 86.183, 40.361


 0, 86.183, 40.361

 59, 86.183, 40.361

 59, 86.183, 40.361

 56, 95.963, 41.556

 62, 74.066, 38.813

 55, 101.573,

 66, 61.959, 37.373

41.865

71, 50.165, 36.225

76, 38.971, 35.383

81, 28.508, 34.807

87, 18.817, 34.443

93, 9.881, 34.229

99, 1.652, 33.843

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.



59, 86.183, 40.361



82, 42.128, 221.211

Rectangle

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



59, 86.183, 40.361



59, 86.183, 90.361



59, 86.183, 220.361



59, 86.183, 270.361

Sweetspot

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



59, 85.861, 40.380



85, 21.537, 34.529



60, 98.898, 334.093



43, 14.914, 34.654



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 85.861, 40.380



55, 100.908, 41.798



79, 75.000, 77.751



50, 4.588, 34.185



41, 81.417, 42.194



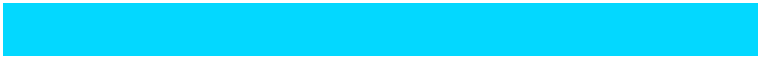
11, 30.656, 34.717

Inverse Universe

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



82, 42.128, 221.211



80, 43.507, 225.799



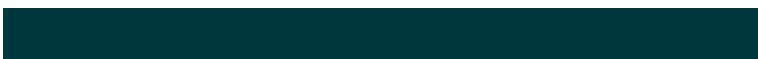
53, 78.441, 289.739



52, 4.314, 214.397



61, 35.087, 225.520



20, 16.213, 221.545

Previews

White Background



This preview shows how the CIELCh color 59, 86.183, 40.361 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 59, 86.183, 40.361 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 59, 86.183, 40.361

Background



This preview shows how black text looks on a background with the CIELCh color 59, 86.183, 40.361.



This preview shows how white text looks on a background with the CIELCh color 59, 86.183, 40.361.

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

59, 85.711, 40.335

Protanopia

59, 43.579, 95.418

Deuteranopia

59, 59.064, 82.822



Tritanopia
59, 77.867, 29.842

Trichromacy



Original Color
59, 85.711, 40.335

Protanomaly
57, 50.942, 62.376

Deuteranomaly
57, 64.463, 60.994

Tritanomaly
59, 80.630, 34.199

Monochromacy



Original Color
59, 85.711, 40.335

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 30.107, 35.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 86.183, 40.361 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, 78, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 46)  
}
```

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, 78, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 86.183, 40.361 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, 78, 46) }
```

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

```
.border{ border-color:rgb(255, 78, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 78, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 78, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 78, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 78,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 86.183, 40.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 46) }
```

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

```
.background{ background-color: rgb(255, 78,  
46) }
```

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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