

Converting Colors

CIELCh(59, 83.520, 39.968)

Have a look what the booklet for
CIELCh(59, 83.520, 39.968) contains.

CIELCh(59, 83.223, 40.045)	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(59, 83.223, 40.045)

Conversions

Conversions Part 1

Format	Color
Hex	FD5132
RGB	253, 81, 50
RGB Percent	99%, 32%, 20%
CMY	0.0075, 0.6820, 0.8037
CMYK	0.00, 0.68, 0.80, 0.01
HSL	9°, 98%, 59%
HSV	9°, 80%, 99%
XYZ	44.0672, 27.0277, 5.9195
YIQ	128.8940, 112.4630, 26.8230

Conversions

Conversions Part 2

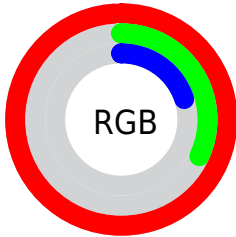
Format	Color
R_{YB}	253, 87, 50
Decimal	16601394
CIE _{Lab}	59.00, 63.71, 53.54
CIE _{LCh}	59, 83.223, 40.045
Yxy	27.0277, 0.5722, 0.3509
Android (android.graphics.Color)	4294791474 (0xFFFD5132)
YUV	128.8940, -38.8947, 108.8410
Hunter-Lab	51.9882, 60.3240, 29.6408

Details

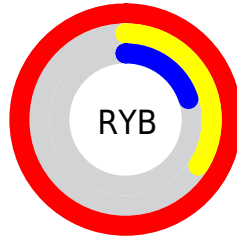
The CIELCh color **59, 83.223, 40.045** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **82, 41.598, 220.638**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 57.437, 45.140**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 93.746, 41.374**, and if you desaturate by 10%, it is **63, 71.361, 38.470**.

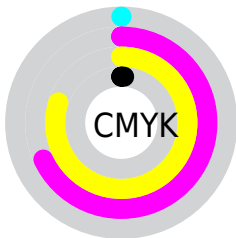
Distribution



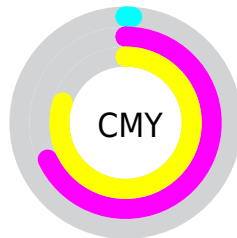
- Red (99%)
- Green (32%)
- Blue (20%)



- Red (99%)
- Yellow (34%)
- Blue (20%)



- Cyan (0%)
- Magenta (68%)
- Yellow (80%)
- Black (1%)



- Cyan (1%)
- Magenta (68%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 83.223, 40.045 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, 83.223, 40.045 by changing the saturation by 10% instead.

 59, 83.223, 40.045

 59, 83.223, 40.045

 100, 83.223,
40.045

 49, 83.223, 40.045

 79, 83.223, 40.045

 39, 83.223, 40.045

 89, 83.223, 40.045

 29, 83.223, 40.045

 99, 83.223, 40.045

 19, 83.223, 40.045

 9, 83.223, 40.045


 0, 83.223, 40.045

 59, 83.223, 40.045

 59, 83.223, 40.045

 56, 93.746, 41.374

 63, 71.361, 38.470

 54, 101.011,

 67, 59.351, 37.072

41.855

71, 47.722, 35.978

77, 36.724, 35.184

82, 26.465, 34.648

88, 16.972, 34.314

93, 8.223, 34.114

99, 0.167, 30.203

100, 0.663,
200.362

Harmonies

Complementary

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



59, 83.223, 40.045



82, 41.598, 220.638

Rectangle

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



59, 83.223, 40.045



59, 83.223, 90.045



59, 83.223, 220.045



59, 83.223, 270.045

Sweetspot

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



59, 83.220, 40.047



86, 20.600, 34.420



60, 97.408, 333.960



44, 14.367, 34.542



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, 83.220, 40.047



55, 98.949, 41.683



79, 73.275, 78.128



50, 4.590, 34.102



41, 81.439, 42.175



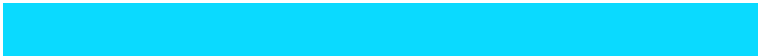
11, 30.667, 34.678

Inverse Universe

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



82, 41.598, 220.638



80, 43.391, 224.723



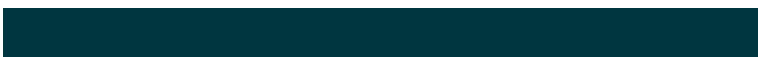
53, 76.001, 289.018



52, 4.316, 214.307



61, 35.090, 225.348



20, 16.217, 221.396

Previews

White Background



This preview shows how the CIELCh color 59, 83.223, 40.045 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, 83.223, 40.045 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, 83.223, 40.045

Background



This preview shows how black text looks on a background with the CIELCh color 59, 83.223, 40.045.



This preview shows how white text looks on a background with the CIELCh color 59, 83.223, 40.045.

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, 83.223, 40.045

Protanopia

59, 41.649, 95.236

Deuteranopia

59, 56.558, 82.242



Tritanopia
59, 76.335, 29.134

Trichromacy



Original Color
59, 83.223, 40.045

Protanomaly
57, 49.303, 61.804

Deuteranomaly
58, 62.092, 60.581

Tritanomaly
59, 78.765, 33.308

Monochromacy



Original Color
59, 83.223, 40.045

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 28.612, 36.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 83.223, 40.045 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(253, 81, 50)` looks like.

```
.text, #text, p{  
    color:rgb(253, 81, 50)  
}
```

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(253, 81, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 81, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 83.223, 40.045 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(253, 81, 50) }
```

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

```
.border{ border-color:rgb(253, 81, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 81, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 81, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 81, 50);  
box-shadow:4px 4px 4px 4px rgb(253, 81,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 83.223, 40.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 81, 50) }
```

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

```
.background{ background-color: rgb(253, 81,  
50) }
```

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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