

Converting Colors

CIELCh(55, 99.479, 40.176)

Have a look what the booklet for
CIELCh(55, 99.479, 40.176) contains.

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Color

CIELCh(55, 99.215, 40.190)

Conversions

Conversions Part 1

Format	Color
Hex	FF2811
RGB	255, 40, 17
RGB Percent	100%, 16%, 7%
CMY	0.0000, 0.8435, 0.9349
CMYK	0.00, 0.84, 0.93, 0.00
HSL	6°, 100%, 53%
HSV	6°, 93%, 100%
XYZ	42.3276, 22.9298, 2.7092
YIQ	101.6630, 135.5230, 38.4270

Conversions

Conversions Part 2

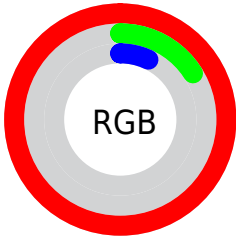
Format	Color
R_{YB}	255, 42, 17
Decimal	16721937
CIE _{Lab}	55.00, 75.79, 64.03
CIE _{LCh}	55, 99.215, 40.190
Yxy	22.9298, 0.6228, 0.3374
Android (android.graphics.Color)	4294912017 (0xFFFF2811)
YUV	101.6630, -41.7389, 134.4765
Hunter-Lab	47.8851, 73.9845, 30.1651

Details

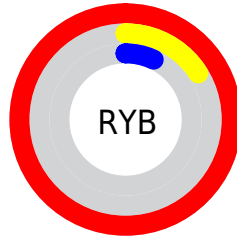
The CIELCh color **55, 99.215, 40.190** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **84, 44.510, 212.987**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.110, 42.760**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 103.111, 40.879**, and if you desaturate by 10%, it is **57, 89.612, 38.376**.

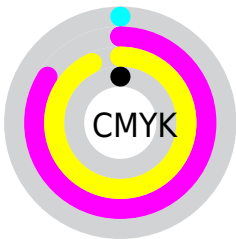
Distribution



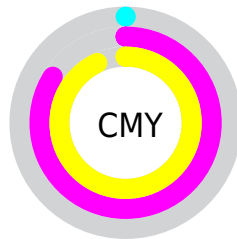
- Red (100%)
- Green (16%)
- Blue (7%)



- Red (100%)
- Yellow (16%)
- Blue (7%)



- Cyan (0%)
- Magenta (84%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 99.215, 40.190 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 55, 99.215, 40.190 by changing the saturation by 10% instead.

 55, 99.215, 40.190

 55, 99.215, 40.190

 100, 99.215,
40.190

 45, 99.215, 40.190

 75, 99.215, 40.190

 35, 99.215, 40.190

 85, 99.215, 40.190

 25, 99.215, 40.190

 95, 99.215, 40.190


 15, 99.215, 40.190

 5, 99.215, 40.190

 0, 99.215, 40.190

 55, 99.215, 40.190

 55, 99.215, 40.190

 54, 103.111,
40.879

 57, 89.612, 38.376

 60, 78.041, 36.082

64, 65.856, 33.970

69, 53.773, 32.249

74, 42.155, 30.927

80, 31.200, 29.948

85, 20.997, 29.240

92, 11.563, 28.730

98, 2.869, 28.232

Harmonies

Complementary

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



55, 99.215, 40.190



84, 44.510, 212.987

Rectangle

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



55, 99.215, 40.190



55, 99.215, 90.190



55, 99.215, 220.190



55, 99.215, 270.190

Sweetspot

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



55, 98.995, 40.194



83, 25.505, 29.531



60, 107.390, 331.670



42, 17.924, 29.853



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 98.995, 40.194



54, 103.111, 40.879



73, 80.850, 69.033



50, 4.794, 28.559



41, 82.755, 41.108



11, 31.525, 31.964

Inverse Universe

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



84, 44.510, 212.987



84, 44.645, 214.127



52, 80.526, 289.425



52, 4.505, 208.292



65, 36.006, 213.786



21, 16.728, 211.455

Previews

White Background



This preview shows how the CIELCh color 55, 99.215, 40.190 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 55, 99.215, 40.190 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 55, 99.215, 40.190

Background



This preview shows how black text looks on a background with the CIELCh color 55, 99.215, 40.190.



This preview shows how white text looks on a background with the CIELCh color 55, 99.215, 40.190.

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

55, 98.913, 40.151

Protanopia

55, 50.253, 95.363

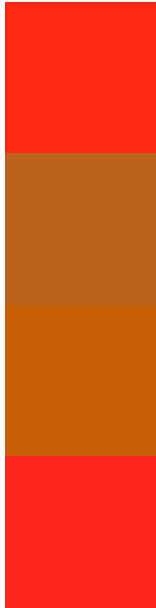
Deuteranopia

55, 60.890, 83.867



Tritanopia
55, 94.823, 36.659

Trichromacy



Original Color
55, 98.913, 40.151

Protanomaly
51, 59.994, 59.093

Deuteranomaly
52, 70.263, 57.769

Tritanomaly
55, 96.528, 38.112

Monochromacy



Original Color
55, 98.913, 40.151

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 37.646, 31.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 99.215, 40.190 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, 40, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 17)  
}
```

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, 40, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 99.215, 40.190 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, 40, 17) }
```

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

```
.border{ border-color:rgb(255, 40, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 40, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 99.215, 40.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 17) }
```

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

```
.background{ background-color: rgb(255, 40,  
17) }
```

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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