

Converting Colors

CIELCh(55, 96.197, 36.754)

Have a look what the booklet for
CIELCh(55, 96.197, 36.754) contains.

CIELCh(55, 95.678, 36.820)	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(55, 95.678, 36.820)

Conversions

Conversions Part 1

Format	Color
Hex	FF2623
RGB	255, 38, 35
RGB Percent	100%, 15%, 14%
CMY	0.0000, 0.8528, 0.8638
CMYK	0.00, 0.85, 0.86, 0.00
HSL	1°, 100%, 57%
HSV	1°, 86%, 100%
XYZ	42.5946, 22.9298, 3.7505
YIQ	102.5410, 130.2950, 45.0710

Conversions

Conversions Part 2

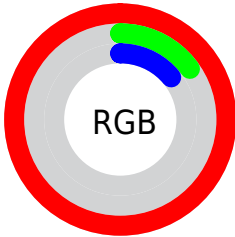
Format	Color
R_{YB}	255, 38, 35
Decimal	16721443
CIE _{Lab}	55.00, 76.59, 57.34
CIE _{LCh}	55, 95.678, 36.820
Yxy	22.9298, 0.6149, 0.3310
Android (android.graphics.Color)	4294911523 (0xFFFF2623)
YUV	102.5410, -33.2977, 133.7065
Hunter-Lab	47.8851, 74.9798, 28.8759

Details

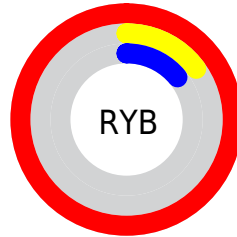
The CIELCh color **55, 95.678, 36.820** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **90, 48.226, 198.240**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 68.510, 37.956**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 102.610, 39.375**, and if you desaturate by 10%, it is **57, 84.807, 33.376**.

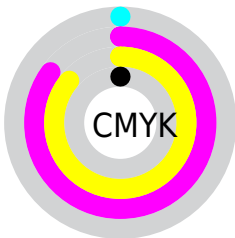
Distribution



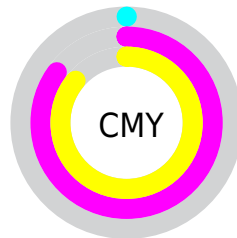
- Red (100%)
- Green (15%)
- Blue (14%)



- Red (100%)
- Yellow (15%)
- Blue (14%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (0%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 95.678, 36.820 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, 95.678, 36.820 by changing the saturation by 10% instead.

 55, 95.678, 36.820

 55, 95.678, 36.820

 100, 95.678,
36.820

 45, 95.678, 36.820

 75, 95.678, 36.820

 35, 95.678, 36.820

 85, 95.678, 36.820

 25, 95.678, 36.820

 95, 95.678, 36.820


 15, 95.678, 36.820

 5, 95.678, 36.820

 0, 95.678, 36.820

 55, 95.678, 36.820

 55, 95.678, 36.820

 54, 102.610,
39.375

 57, 84.807, 33.376

 61, 73.000, 30.132

53, 104.423,
40.089

65, 60.767, 27.437

70, 48.605, 25.322

76, 36.857, 23.702

82, 25.741, 22.468

89, 15.362, 21.519

96, 5.747, 20.736

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.



55, 95.678, 36.820



90, 48.226, 198.240

Rectangle

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



55, 95.678, 36.820



55, 95.678, 86.820



55, 95.678, 216.820



55, 95.678, 266.820

Sweetspot

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



55, 95.316, 36.800



83, 25.334, 22.427



61, 112.063, 328.129



42, 17.404, 22.814



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, 95.316, 36.800



53, 104.423, 40.089



71, 77.850, 63.461



50, 5.188, 20.977



40, 84.053, 40.128



10, 33.102, 27.797

Inverse Universe

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



90, 48.226, 198.240



90, 49.198, 198.421



60, 63.640, 278.790



52, 4.881, 200.080



70, 39.638, 198.386



23, 18.275, 198.141

Previews

White Background



This preview shows how the CIELCh color 55, 95.678, 36.820 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, 95.678, 36.820 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, 95.678, 36.820

Background



This preview shows how black text looks on a background with the CIELCh color 55, 95.678, 36.820.



This preview shows how white text looks on a background with the CIELCh color 55, 95.678, 36.820.

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, 95.195, 36.785

Protanopia

55, 42.235, 96.111

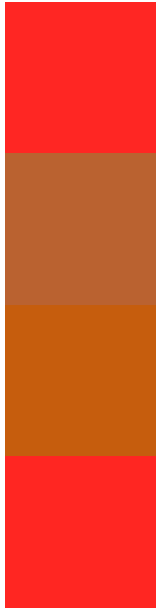
Deuteranopia

55, 60.890, 83.867



Tritanopia
55, 95.443, 37.002

Trichromacy



Original Color
55, 95.195, 36.785

Protanomaly
51, 53.478, 53.760

Deuteranomaly
52, 69.225, 56.643

Tritanomaly
55, 95.443, 37.002

Monochromacy



Original Color
55, 95.195, 36.785

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 36.257, 25.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 95.678, 36.820 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, 38, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 35)  
}
```

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, 38, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 95.678, 36.820 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, 38, 35) }
```

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

```
.border{ border-color:rgb(255, 38, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 95.678, 36.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 35) }
```

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

```
.background{ background-color: rgb(255, 38,  
35) }
```

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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