

Converting Colors

CIELCh(55, 80.167, 32.667)

Have a look what the booklet for
CIELCh(55, 80.167, 32.667) contains.

CIELCh(55, 79.983, 32.741)	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, 79.983, 32.741)

Conversions

Conversions Part 1

Format	Color
Hex	F33F3D
RGB	243, 63, 61
RGB Percent	95%, 25%, 24%
CMY	0.0473, 0.7531, 0.7609
CMYK	0.00, 0.74, 0.75, 0.05
HSL	1°, 88%, 60%
HSV	1°, 75%, 95%
XYZ	39.5583, 22.9298, 6.7502
YIQ	116.5920, 107.9220, 37.5380

Conversions

Conversions Part 2

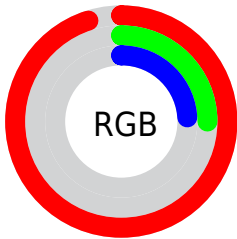
Format	Color
RYB	243, 63, 61
Decimal	15941437
CIELab	55.00, 67.28, 43.26
CIElCh	55, 79.983, 32.741
Yxy	22.9298, 0.5713, 0.3312
Android (android.graphics.Color)	4294131517 (0xFFFF33F3D)
YUV	116.5920, -27.4069, 110.8598
Hunter-Lab	47.8851, 63.6614, 25.1617

Details

The CIELCh color **55, 79.983, 32.741** 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 **87, 44.474, 197.972**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 58.358, 32.726**, and **37, 75.816, 35.950** is the 20% darker color. If you saturate the color by 10%, you get **53, 90.368, 36.203**, and if you desaturate by 10%, it is **59, 68.526, 29.564**.

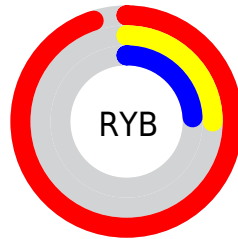
Distribution



Red (95%)

Green (25%)

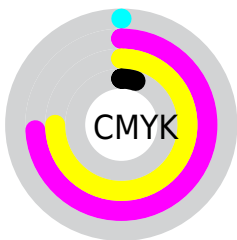
Blue (24%)



Red (95%)

Yellow (25%)

Blue (24%)

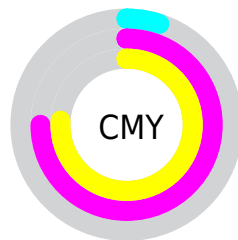


Cyan (0%)

Magenta (74%)

Yellow (75%)

Black (5%)



Cyan (5%)

Magenta (75%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 79.983, 32.741 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, 79.983, 32.741 by changing the saturation by 10% instead.

■ 55, 79.983, 32.741

■ 55, 79.983, 32.741

■ 100, 79.983,
32.741

■ 45, 79.983, 32.741

■ 75, 79.983, 32.741

■ 35, 79.983, 32.741

■ 85, 79.983, 32.741

■ 25, 79.983, 32.741

■ 95, 79.983, 32.741

■ 15, 79.983, 32.741

■ 5, 79.983, 32.741

■ 0, 79.983, 32.741

■ 55, 79.983, 32.741

■ 55, 79.983, 32.741

■ 53, 90.368, 36.203

■ 59, 68.526, 29.564

■ 51, 98.071, 39.039

■ 63, 56.747, 26.956

51, 100.674,
40.082

68, 45.090, 24.919

74, 33.867, 23.360

80, 23.269, 22.171

86, 13.387, 21.253

93, 4.234, 20.461

99, 4.161, 199.301

Harmonies

Complementary

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



55, 79.983, 32.741



87, 44.474, 197.972

Rectangle

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



55, 79.983, 32.741



55, 79.983, 82.741



55, 79.983, 212.741



55, 79.983, 262.741

Sweetspot

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



55, 79.980, 32.743



85, 21.139, 21.886



61, 101.184, 327.915



44, 14.356, 22.158



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, 79.980, 32.743



54, 98.512, 37.879



71, 65.469, 65.628



48, 5.025, 20.829



39, 82.397, 40.114



8, 30.780, 25.586

Inverse Universe

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



87, 44.474, 197.972



90, 48.738, 198.014



62, 53.358, 273.725



50, 4.729, 199.925



68, 38.947, 198.099



21, 17.351, 197.869

Previews

White Background



This preview shows how the CIELCh color 55, 79.983, 32.741 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, 79.983, 32.741 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, 79.983, 32.741

Background



This preview shows how black text looks on a background with the CIELCh color 55, 79.983, 32.741.



This preview shows how white text looks on a background with the CIELCh color 55, 79.983, 32.741.

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, 79.983, 32.741

Protanopia

55, 28.213, 95.747

Deuteranopia

55, 46.470, 80.654



Tritanopia
55, 79.171, 31.167

Trichromacy



Original Color
55, 79.983, 32.741

Protanomaly
53, 39.827, 49.346

Deuteranomaly
53, 53.929, 52.820

Tritanomaly
55, 79.420, 31.517

Monochromacy



Original Color
55, 79.983, 32.741

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 29.135, 23.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 79.983, 32.741 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(243, 63, 61)` looks like.

```
.text, #text, p{  
    color:rgb(243, 63, 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(243, 63, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 63, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 79.983, 32.741 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(243, 63, 61) }
```

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

```
.border{ border-color:rgb(243, 63, 61) }
```

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

Here you see how a box with a 4 pixel rgb(243, 63, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 63, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 63, 61);  
box-shadow:4px 4px 4px 4px rgb(243, 63,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 79.983, 32.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 63, 61) }
```

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

```
.background{ background-color: rgb(243, 63,  
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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