

Converting Colors

CIELCh(55, 83.472, 30.372)

Have a look what the booklet for
CIELCh(55, 83.472, 30.372) contains.

CIELCh(55, 83.802, 30.460)	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, 83.802, 30.460)

Conversions

Conversions Part 1

Format	Color
Hex	F9343F
RGB	249, 52, 63
RGB Percent	98%, 20%, 25%
CMY	0.0239, 0.7964, 0.7532
CMYK	0.00, 0.79, 0.75, 0.02
HSL	357°, 94%, 59%
HSV	357°, 79%, 98%
XYZ	41.1562, 22.9298, 6.9506
YIQ	112.1570, 113.8810, 45.1850

Conversions

Conversions Part 2

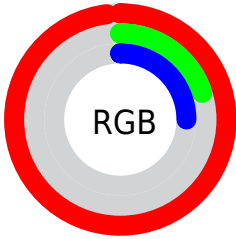
Format	Color
R_{YB}	249, 52, 63
Decimal	16331839
CIE _{Lab}	55.00, 72.24, 42.48
CIE _{LCh}	55, 83.802, 30.460
Yxy	22.9298, 0.5794, 0.3228
Android (android.graphics.Color)	4294521919 (0xFFFF9343F)
YUV	112.1570, -24.2344, 120.0113
Hunter-Lab	47.8851, 69.6179, 24.9135

Details

The CIELCh color **55, 83.802, 30.460** 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 **89, 48.685, 189.529**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 59.934, 28.731**, and **38, 77.445, 35.662** is the 20% darker color. If you saturate the color by 10%, you get **53, 93.107, 34.638**, and if you desaturate by 10%, it is **58, 73.257, 26.643**.

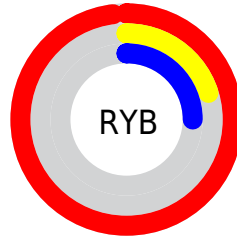
Distribution



Red (98%)

Green (20%)

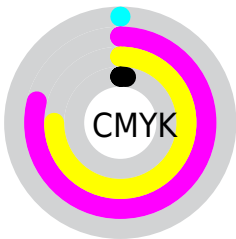
Blue (25%)



Red (98%)

Yellow (20%)

Blue (25%)

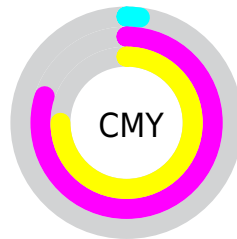


Cyan (0%)

Magenta (79%)

Yellow (75%)

Black (2%)



Cyan (2%)

Magenta (80%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.802, 30.460 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, 83.802, 30.460 by changing the saturation by 10% instead.

 55, 83.802, 30.460

 55, 83.802, 30.460

 100, 83.802,
30.460

 45, 83.802, 30.460

 75, 83.802, 30.460

 35, 83.802, 30.460

 85, 83.802, 30.460

 25, 83.802, 30.460

 95, 83.802, 30.460

 15, 83.802, 30.460

 5, 83.802, 30.460


 0, 83.802, 30.460

 55, 83.802, 30.460

 55, 83.802, 30.460

 53, 93.107, 34.638

 58, 73.257, 26.643

 52, 100.051,

 62, 62.046, 23.490

38.205

67, 50.587, 20.999

52, 100.508,
38.413

73, 39.254, 19.062

79, 28.327, 17.554

85, 17.978, 16.362

92, 8.283, 15.384

98, 0.747, 195.564

100, 2.110,
199.585

Harmonies

Complementary

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



55, 83.802, 30.460



89, 48.685, 189.529

Rectangle

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



55, 83.802, 30.460



55, 83.802, 80.460



55, 83.802, 210.460



55, 83.802, 260.460

Sweetspot

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



55, 83.799, 30.462



84, 23.383, 16.911



59, 106.019, 325.740



42, 16.260, 17.352



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, 83.799, 30.462



54, 99.434, 36.958



68, 71.411, 59.083



49, 5.174, 15.417



39, 81.047, 37.858



9, 31.798, 23.892

Inverse Universe

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



55, 83.799, 30.462



54, 99.434, 36.958



65, 51.249, 267.657



49, 5.174, 15.417



39, 81.047, 37.858



9, 31.798, 23.892

Previews

White Background



This preview shows how the CIELCh color 55, 83.802, 30.460 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, 83.802, 30.460 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, 83.802, 30.460

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.802, 30.460.



This preview shows how white text looks on a background with the CIELCh color 55, 83.802, 30.460.

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, 83.802, 30.460

Protanopia

55, 24.867, 95.848

Deuteranopia

55, 46.033, 80.492



Tritanopia
55, 85.919, 33.466

Trichromacy



Original Color
55, 83.802, 30.460

Protanomaly
52, 39.709, 42.310

Deuteranomaly
53, 55.046, 49.171

Tritanomaly
55, 85.140, 32.546

Monochromacy



Original Color
55, 83.802, 30.460

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 31.794, 19.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.802, 30.460 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(249, 52, 63)` looks like.

```
.text, #text, p{  
    color:rgb(249, 52, 63)  
}
```

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(249, 52, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 52, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.802, 30.460 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(249, 52, 63) }
```

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

```
.border{ border-color:rgb(249, 52, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 52, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 52, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 52, 63);  
box-shadow:4px 4px 4px 4px rgb(249, 52,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.802, 30.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 52, 63) }
```

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

```
.background{ background-color: rgb(249, 52,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor