

Converting Colors

CIELCh(55, 84.283, 38.923)

Have a look what the booklet for
CIELCh(55, 84.283, 38.923) contains.

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Color

CIELCh(55, 84.163, 38.995)

Conversions

Conversions Part 1

Format	Color
Hex	F2422A
RGB	242, 66, 42
RGB Percent	95%, 26%, 16%
CMY	0.0511, 0.7413, 0.8354
CMYK	0.00, 0.73, 0.83, 0.05
HSL	7°, 88%, 56%
HSV	7°, 83%, 95%
XYZ	38.9687, 22.9298, 4.5600
YIQ	115.8880, 112.6000, 29.8480

Conversions

Conversions Part 2

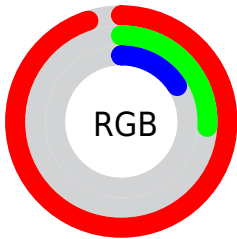
Format	Color
R_{YB}	242, 69, 42
Decimal	15876650
CIE _{Lab}	55.00, 65.41, 52.96
CIE _{LCh}	55, 84.163, 38.995
Yxy	22.9298, 0.5864, 0.3450
Android (android.graphics.Color)	4294066730 (0xFFFF2422A)
YUV	115.8880, -36.4268, 110.6002
Hunter-Lab	47.8851, 61.4635, 27.8736

Details

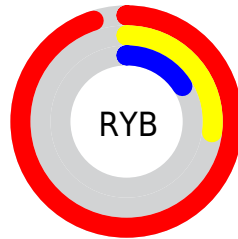
The CIELCh color **55, 84.163, 38.995** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **80, 41.208, 215.198**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 62.634, 41.454**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **53, 93.627, 40.606**, and if you desaturate by 10%, it is **58, 72.904, 37.001**.

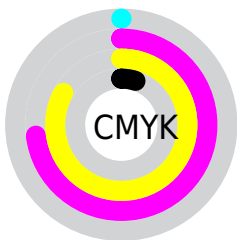
Distribution



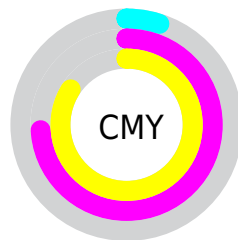
- Red (95%)
- Green (26%)
- Blue (16%)



- Red (95%)
- Yellow (27%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (83%)
- Black (5%)



- Cyan (5%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.163, 38.995 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, 84.163, 38.995 by changing the saturation by 10% instead.

 55, 84.163, 38.995

 55, 84.163, 38.995

 100, 84.163,
38.995


 45, 84.163, 38.995

 75, 84.163, 38.995

 35, 84.163, 38.995

 85, 84.163, 38.995

 25, 84.163, 38.995

 95, 84.163, 38.995

 15, 84.163, 38.995

 5, 84.163, 38.995

 0, 84.163, 38.995

 55, 84.163, 38.995

 55, 84.163, 38.995

 53, 93.627, 40.606

 58, 72.904, 37.001

 52, 98.507, 41.263

 62, 61.232, 35.182

67, 49.766, 33.713

71, 38.816, 32.601

77, 28.535, 31.796

82, 18.986, 31.233

88, 10.169, 30.846

94, 2.045, 30.383

99, 4.495, 199.268

Harmonies

Complementary

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



55, 84.163, 38.995



80, 41.208, 215.198

Rectangle

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



55, 84.163, 38.995



55, 84.163, 88.995



55, 84.163, 218.995



55, 84.163, 268.995

Sweetspot

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



55, 84.160, 38.997



85, 22.088, 31.351



58, 97.440, 332.617



43, 15.293, 31.542



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 84.160, 38.997



54, 101.938, 41.112



74, 71.801, 74.719



47, 4.472, 30.742



39, 79.755, 41.536



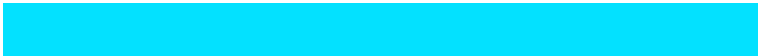
9, 27.438, 30.465

Inverse Universe

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



80, 41.208, 215.198



82, 43.978, 218.563



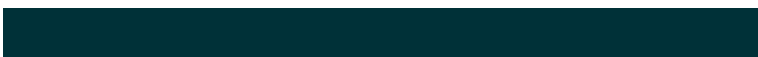
52, 71.631, 287.474



49, 4.205, 210.664



61, 34.424, 218.282



18, 15.187, 214.860

Previews

White Background



This preview shows how the CIELCh color 55, 84.163, 38.995 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, 84.163, 38.995 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, 84.163, 38.995

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.163, 38.995.



This preview shows how white text looks on a background with the CIELCh color 55, 84.163, 38.995.

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, 84.163, 38.995

Protanopia

55, 40.878, 95.360

Deuteranopia

55, 56.688, 82.543



Tritanopia
55, 78.967, 31.365

Trichromacy



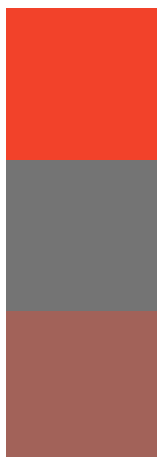
Original Color
55, 84.163, 38.995

Protanomaly
53, 49.036, 59.662

Deuteranomaly
53, 62.320, 60.131

Tritanomaly
55, 80.835, 34.256

Monochromacy



Original Color
55, 84.163, 38.995

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 29.663, 32.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.163, 38.995 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(242, 66, 42)` looks like.

```
.text, #text, p{  
    color:rgb(242, 66, 42)  
}
```

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(242, 66, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 66, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.163, 38.995 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(242, 66, 42) }
```

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

```
.border{ border-color:rgb(242, 66, 42) }
```

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

Here you see how a box with a 4 pixel rgb(242, 66, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 66, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 66, 42);  
box-shadow:4px 4px 4px 4px rgb(242, 66,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.163, 38.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 66, 42) }
```

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

```
.background{ background-color: rgb(242, 66,  
42) }
```

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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