

Converting Colors

CIELCh(55, 90.408, 33.385)

Have a look what the booklet for
CIELCh(55, 90.408, 33.385) contains.

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Color

CIELCh(55, 90.462, 33.405)

Conversions

Conversions Part 1

Format	Color
Hex	FE2A32
RGB	254, 42, 50
RGB Percent	100%, 16%, 20%
CMY	0.0043, 0.8357, 0.8042
CMYK	0.00, 0.84, 0.80, 0.00
HSL	358°, 99%, 58%
HSV	358°, 84%, 100%
XYZ	42.2367, 22.9298, 5.2102
YIQ	106.3000, 123.7840, 47.4320

Conversions

Conversions Part 2

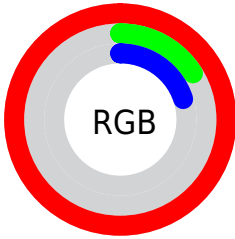
Format	Color
R_{YB}	254, 42, 50
Decimal	16656946
CIE Lab	55.00, 75.52, 49.80
CIE LCh	55, 90.462, 33.405
Yxy	22.9298, 0.6002, 0.3258
Android (android.graphics.Color)	4294847026 (0xFFFE2A32)
YUV	106.3000, -27.7559, 129.5329
Hunter-Lab	47.8851, 73.6457, 27.0685

Details

The CIELCh color **55, 90.462, 33.405** 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 **91, 49.693, 191.495**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.133, 32.689**, and **39, 81.975, 38.945** is the 20% darker color. If you saturate the color by 10%, you get **54, 99.032, 37.226**, and if you desaturate by 10%, it is **58, 79.986, 29.478**.

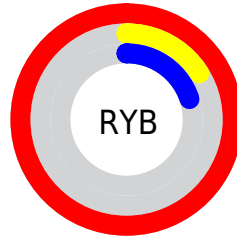
Distribution



Red (100%)

Green (16%)

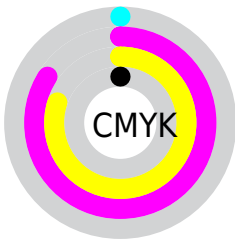
Blue (20%)



Red (100%)

Yellow (16%)

Blue (20%)

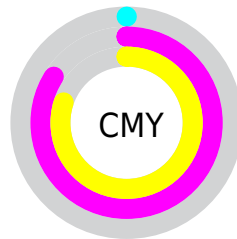


Cyan (0%)

Magenta (84%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (84%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 90.462, 33.405 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, 90.462, 33.405 by changing the saturation by 10% instead.

 55, 90.462, 33.405

 55, 90.462, 33.405

 100, 90.462,
33.405

 45, 90.462, 33.405

 75, 90.462, 33.405

 35, 90.462, 33.405

 85, 90.462, 33.405

 25, 90.462, 33.405

 95, 90.462, 33.405

 15, 90.462, 33.405

 5, 90.462, 33.405


 0, 90.462, 33.405

 55, 90.462, 33.405

 55, 90.462, 33.405

 54, 99.032, 37.226

 58, 79.986, 29.478

 53, 102.779,

 61, 68.595, 26.071

38.967

66, 56.811, 23.331

72, 45.049, 21.194

77, 33.638, 19.542

84, 22.792, 18.257

90, 12.621, 17.235

97, 3.153, 16.287

100, 0.380,
201.125

Harmonies

Complementary

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



55, 90.462, 33.405



91, 49.693, 191.495

Rectangle

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



55, 90.462, 33.405



55, 90.462, 83.405



55, 90.462, 213.405



55, 90.462, 263.405

Sweetspot

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



55, 90.459, 33.407



83, 24.463, 18.431



60, 110.344, 326.334



42, 16.898, 18.863



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, 90.459, 33.407



53, 103.122, 38.973



69, 76.230, 59.786



49, 5.255, 16.874



40, 82.590, 38.544



10, 33.058, 25.658

Inverse Universe

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



55, 90.459, 33.407



53, 103.122, 38.973



64, 56.134, 271.782



49, 5.255, 16.874



40, 82.590, 38.544



10, 33.058, 25.658

Previews

White Background



This preview shows how the CIELCh color 55, 90.462, 33.405 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, 90.462, 33.405 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, 90.462, 33.405

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.462, 33.405.



This preview shows how white text looks on a background with the CIELCh color 55, 90.462, 33.405.

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, 90.462, 33.405

Protanopia

55, 33.092, 95.832

Deuteranopia

55, 53.734, 82.326



Tritanopia
55, 92.413, 35.632

Trichromacy



Original Color
55, 90.462, 33.405

Protanomaly
51, 46.741, 47.426

Deuteranomaly
52, 62.184, 52.771

Tritanomaly
55, 91.631, 34.868

Monochromacy



Original Color
55, 90.462, 33.405

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 34.528, 21.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 90.462, 33.405 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(254, 42, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 42, 50)  
}
```

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(254, 42, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 42, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.462, 33.405 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(254, 42, 50) }
```

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

```
.border{ border-color:rgb(254, 42, 50) }
```

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

Here you see how a box with a 4 pixel rgb(254, 42, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 42, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 42, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 42,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.462, 33.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 42, 50) }
```

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

```
.background{ background-color: rgb(254, 42,  
50) }
```

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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