

Converting Colors

CIELCh(55, 89.909, 34.617)

Have a look what the booklet for
CIELCh(55, 89.909, 34.617) contains.

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Color

CIELCh(55, 89.961, 34.620)

Conversions

Conversions Part 1

Format	Color
Hex	FC2E2F
RGB	252, 46, 47
RGB Percent	99%, 18%, 18%
CMY	0.0107, 0.8183, 0.8150
CMYK	0.00, 0.82, 0.81, 0.01
HSL	360°, 97%, 59%
HSV	360°, 82%, 99%
XYZ	41.7454, 22.9298, 4.9342
YIQ	107.7080, 122.4550, 43.9830

Conversions

Conversions Part 2

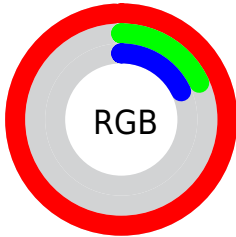
Format	Color
R _Y B	252, 46, 47
Decimal	16526895
CIE Lab	55.00, 74.03, 51.11
CIE LCh	55, 89.961, 34.620
Yxy	22.9298, 0.5997, 0.3294
Android (android.graphics.Color)	4294716975 (0xFFFC2E2F)
YUV	107.7080, -29.9290, 126.5441
Hunter-Lab	47.8851, 71.8141, 27.4102

Details

The CIELCh color **55, 89.961, 34.620** 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, 47.986, 195.954**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.344, 34.747**, and **39, 82.249, 39.778** is the 20% darker color. If you saturate the color by 10%, you get **53, 98.911, 38.019**, and if you desaturate by 10%, it is **58, 78.923, 31.002**.

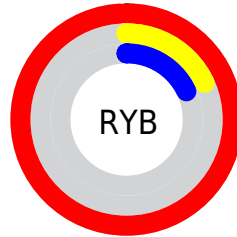
Distribution



Red (99%)

Green (18%)

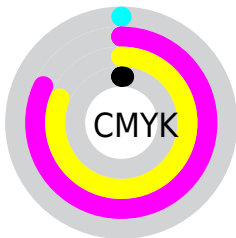
Blue (18%)



Red (99%)

Yellow (18%)

Blue (18%)

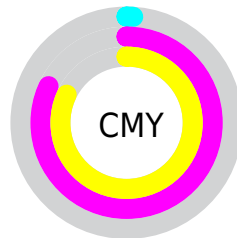


Cyan (0%)

Magenta (82%)

Yellow (81%)

Black (1%)



Cyan (1%)

Magenta (82%)

Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 89.961, 34.620 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, 89.961, 34.620 by changing the saturation by 10% instead.

 55, 89.961, 34.620

 55, 89.961, 34.620

 100, 89.961,
34.620

 45, 89.961, 34.620

 75, 89.961, 34.620

 35, 89.961, 34.620

 85, 89.961, 34.620

 25, 89.961, 34.620

 95, 89.961, 34.620

 15, 89.961, 34.620

 5, 89.961, 34.620

 0, 89.961, 34.620

 55, 89.961, 34.620

 55, 89.961, 34.620

 53, 98.911, 38.019

 58, 78.923, 31.002

 53, 103.556,

 62, 67.043, 27.844

39.885

67, 54.928, 25.309

72, 43.000, 23.347

78, 31.558, 21.845

85, 20.780, 20.693

91, 10.742, 19.786

98, 1.448, 18.713

100, 0.953,
200.041

Harmonies

Complementary

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



55, 89.961, 34.620



90, 47.986, 195.954

Rectangle

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



55, 89.961, 34.620



55, 89.961, 84.620



55, 89.961, 214.620



55, 89.961, 264.620

Sweetspot

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



55, 89.958, 34.622



84, 23.475, 20.941



61, 108.729, 327.477



42, 16.347, 21.342



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, 89.958, 34.622



53, 103.400, 39.486



70, 73.635, 62.975



49, 5.167, 19.611



39, 83.200, 39.834



9, 32.165, 25.977

Inverse Universe

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



55, 89.958, 34.622



53, 103.400, 39.486



62, 57.996, 274.829



49, 5.167, 19.611



39, 83.200, 39.834



9, 32.165, 25.977

Previews

White Background



This preview shows how the CIELCh color 55, 89.961, 34.620 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, 89.961, 34.620 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, 89.961, 34.620

Background



This preview shows how black text looks on a background with the CIELCh color 55, 89.961, 34.620.



This preview shows how white text looks on a background with the CIELCh color 55, 89.961, 34.620.

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, 89.961, 34.620

Protanopia

55, 35.266, 95.392

Deuteranopia

55, 55.035, 82.649



Tritanopia
55, 90.077, 35.014

Trichromacy



Original Color
55, 89.961, 34.620

Protanomaly
52, 47.497, 50.271

Deuteranomaly
52, 62.927, 54.451

Tritanomaly
55, 90.077, 35.014

Monochromacy



Original Color
55, 89.961, 34.620

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 33.373, 24.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 89.961, 34.620 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(252, 46, 47)` looks like.

```
.text, #text, p{  
    color:rgb(252, 46, 47)  
}
```

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(252, 46, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 46, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 89.961, 34.620 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(252, 46, 47) }
```

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

```
.border{ border-color:rgb(252, 46, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 46, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 46, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 46, 47);  
box-shadow:4px 4px 4px 4px rgb(252, 46,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 89.961, 34.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 46, 47) }
```

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

```
.background{ background-color: rgb(252, 46,  
47) }
```

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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