

Converting Colors

CIELCh(55, 89.949, 31.341)

Have a look what the booklet for
CIELCh(55, 89.949, 31.341) contains.

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Color

CIELCh(55, 89.807, 31.295)

Conversions

Conversions Part 1

Format	Color
Hex	FF2638
RGB	255, 38, 56
RGB Percent	100%, 15%, 22%
CMY	0.0000, 0.8509, 0.7804
CMYK	0.00, 0.85, 0.78, 0.00
HSL	355°, 100%, 57%
HSV	355°, 85%, 100%
XYZ	42.6441, 22.9298, 5.9192
YIQ	104.9350, 123.5540, 51.6020

Conversions

Conversions Part 2

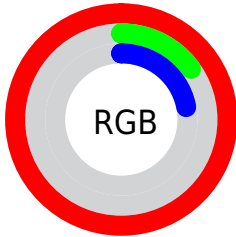
Format	Color
R_{YB}	255, 38, 56
Decimal	16721464
CIE _{Lab}	55.00, 76.74, 46.65
CIE _{LCh}	55, 89.807, 31.295
Yxy	22.9298, 0.5965, 0.3207
Android (android.graphics.Color)	4294911544 (0xFFFF2638)
YUV	104.9350, -24.1250, 131.6070
Hunter-Lab	47.8851, 75.1642, 26.1907

Details

The CIELCh color **55, 89.807, 31.295** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **91, 52.075, 185.792**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.364, 29.266**, and **39, 80.850, 37.572** is the 20% darker color. If you saturate the color by 10%, you get **54, 97.959, 35.685**, and if you desaturate by 10%, it is **58, 80.078, 27.021**.

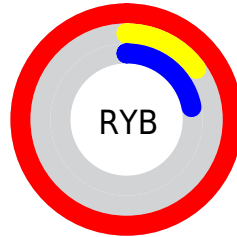
Distribution



Red (100%)

Green (15%)

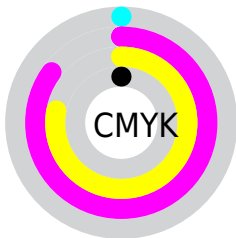
Blue (22%)



Red (100%)

Yellow (15%)

Blue (22%)

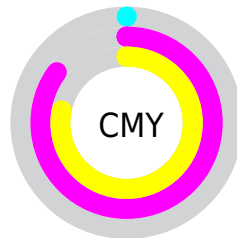


Cyan (0%)

Magenta (85%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (85%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 89.807, 31.295 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, 89.807, 31.295 by changing the saturation by 10% instead.

 55, 89.807, 31.295

 55, 89.807, 31.295

 100, 89.807,
31.295

 45, 89.807, 31.295

 75, 89.807, 31.295

 35, 89.807, 31.295

 85, 89.807, 31.295

 25, 89.807, 31.295

 95, 89.807, 31.295

 15, 89.807, 31.295

 5, 89.807, 31.295


 0, 89.807, 31.295

 55, 89.807, 31.295

 55, 89.807, 31.295

 54, 97.959, 35.685

 58, 80.078, 27.021

 53, 101.129,

 61, 69.378, 23.374

37.464

66, 58.101, 20.447

71, 46.647, 18.153

77, 35.373, 16.362

83, 24.534, 14.948

90, 14.274, 13.809

97, 4.654, 12.809

100, 0.012,
284.095

Harmonies

Complementary

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



55, 89.807, 31.295



91, 52.075, 185.792

Rectangle

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



55, 89.807, 31.295



55, 89.807, 81.295



55, 89.807, 211.295



55, 89.807, 261.295

Sweetspot

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



55, 89.803, 31.297



83, 25.496, 15.064



59, 111.643, 325.170



42, 17.472, 15.527



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, 89.803, 31.297



53, 101.132, 37.464



67, 78.748, 56.799



50, 5.276, 13.252



40, 80.769, 36.778



10, 32.721, 23.824

Inverse Universe

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



55, 89.803, 31.297



53, 101.132, 37.464



65, 54.008, 268.248



50, 5.276, 13.252



40, 80.769, 36.778



10, 32.721, 23.824

Previews

White Background



This preview shows how the CIELCh color 55, 89.807, 31.295 looks on a white background.

Color Contrast Check

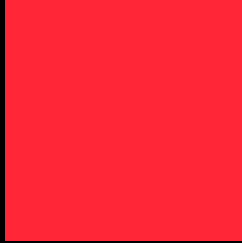
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.807, 31.295 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, 89.807, 31.295

Background



This preview shows how black text looks on a background with the CIELCh color 55, 89.807, 31.295.



This preview shows how white text looks on a background with the CIELCh color 55, 89.807, 31.295.

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, 89.807, 31.295

Protanopia

55, 28.213, 95.747

Deuteranopia

55, 50.426, 81.401



Tritanopia
55, 93.809, 36.171

Trichromacy



Original Color
55, 89.807, 31.295

Protanomaly
51, 43.824, 42.496

Deuteranomaly
52, 59.837, 49.415

Tritanomaly
55, 92.384, 34.582

Monochromacy



Original Color
55, 89.807, 31.295

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 35.230, 19.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 89.807, 31.295 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(255, 38, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 56)  
}
```

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(255, 38, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 89.807, 31.295 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(255, 38, 56) }
```

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

```
.border{ border-color:rgb(255, 38, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 89.807, 31.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 56) }
```

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

```
.background{ background-color: rgb(255, 38,  
56) }
```

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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