

Converting Colors

CIELCh(55, 90.045, 33.184)

Have a look what the booklet for
CIELCh(55, 90.045, 33.184) contains.

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Color

CIELCh(55, 90.202, 33.124)

Conversions

Conversions Part 1

Format	Color
Hex	FE2A33
RGB	254, 42, 51
RGB Percent	100%, 16%, 20%
CMY	0.0044, 0.8359, 0.8003
CMYK	0.00, 0.84, 0.80, 0.00
HSL	357°, 99%, 58%
HSV	357°, 84%, 100%
XYZ	42.2452, 22.9298, 5.3214
YIQ	106.4140, 123.4630, 47.7430

Conversions

Conversions Part 2

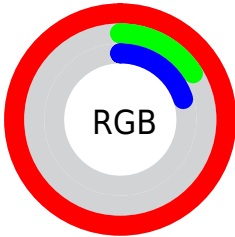
Format	Color
R_{YB}	254, 42, 51
Decimal	16656947
CIE _{Lab}	55.00, 75.54, 49.29
CIE _{LCh}	55, 90.202, 33.124
Yxy	22.9298, 0.5993, 0.3253
Android (android.graphics.Color)	4294847027 (0xFFFE2A33)
YUV	106.4140, -27.3191, 129.4329
Hunter-Lab	47.8851, 73.6773, 26.9308

Details

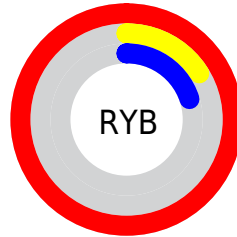
The CIELCh color **55, 90.202, 33.124** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 49.872, 190.884**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.900, 32.255**, and **39, 81.754, 38.741** is the 20% darker color. If you saturate the color by 10%, you get **54, 98.775, 37.020**, and if you desaturate by 10%, it is **58, 79.786, 29.163**.

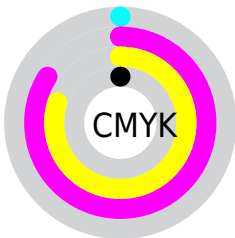
Distribution



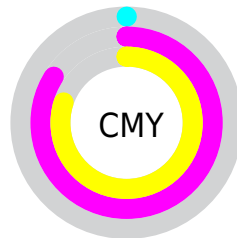
- Red (100%)
- Green (16%)
- Blue (20%)



- 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, 90.202, 33.124 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, 90.202, 33.124 by changing the saturation by 10% instead.

 55, 90.202, 33.124

 55, 90.202, 33.124

 100, 90.202,
33.124

 45, 90.202, 33.124

 75, 90.202, 33.124

 35, 90.202, 33.124

 85, 90.202, 33.124

 25, 90.202, 33.124

 95, 90.202, 33.124

 15, 90.202, 33.124

 5, 90.202, 33.124


 0, 90.202, 33.124

 55, 90.202, 33.124

 55, 90.202, 33.124

 54, 98.775, 37.020

 58, 79.786, 29.163

 53, 102.595,

 61, 68.462, 25.739

38.839

66, 56.732, 22.988

72, 45.011, 20.842

77, 33.627, 19.180

84, 22.797, 17.885

90, 12.633, 16.853

97, 3.165, 15.896

100, 0.391,
201.076

Harmonies

Complementary

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



55, 90.202, 33.124



91, 49.872, 190.884

Rectangle

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



55, 90.202, 33.124



55, 90.202, 83.124



55, 90.202, 213.124



55, 90.202, 263.124

Sweetspot

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



55, 90.199, 33.126



83, 24.456, 18.059



60, 110.340, 326.334



42, 16.891, 18.495



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, 90.199, 33.126



53, 102.948, 38.845



69, 76.233, 59.784



49, 5.256, 16.487



40, 82.401, 38.368



10, 33.020, 25.465

Inverse Universe

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



55, 90.199, 33.126



53, 102.948, 38.845



64, 56.136, 271.788



49, 5.256, 16.487



40, 82.401, 38.368



10, 33.020, 25.465

Previews

White Background



This preview shows how the CIELCh color 55, 90.202, 33.124 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, 90.202, 33.124 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, 90.202, 33.124

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.202, 33.124.



This preview shows how white text looks on a background with the CIELCh color 55, 90.202, 33.124.

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, 90.202, 33.124

Protanopia

55, 32.567, 95.746

Deuteranopia

55, 53.042, 82.146



Tritanopia
55, 92.413, 35.632

Trichromacy



Original Color
55, 90.202, 33.124

Protanomaly
51, 46.392, 46.918

Deuteranomaly
52, 61.524, 52.222

Tritanomaly
55, 91.631, 34.868

Monochromacy



Original Color
55, 90.202, 33.124

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, 90.202, 33.124 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(254, 42, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 42, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.202, 33.124 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, 51) }
```

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

```
.border{ border-color:rgb(254, 42, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 42, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 42, 51);  
box-shadow:4px 4px 4px 4px rgb(254, 42,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.202, 33.124 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, 51) }
```

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

```
.background{ background-color: rgb(254, 42,  
51) }
```

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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