

Converting Colors

CIELCh(55, 93.791, 34.539)

Have a look what the booklet for
CIELCh(55, 93.791, 34.539) contains.

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Color

CIELCh(55, 93.245, 34.362)

Conversions

Conversions Part 1

Format	Color
Hex	FF252D
RGB	255, 37, 45
RGB Percent	100%, 15%, 18%
CMY	0.0000, 0.8567, 0.8248
CMYK	0.00, 0.86, 0.82, 0.00
HSL	358°, 100%, 57%
HSV	358°, 86%, 100%
XYZ	42.7217, 22.9298, 4.6254
YIQ	103.0940, 127.3600, 48.7040

Conversions

Conversions Part 2

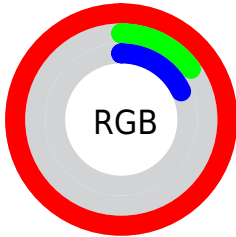
Format	Color
R _Y B	255, 37, 45
Decimal	16721197
CIE Lab	55.00, 76.97, 52.63
CIE LCh	55, 93.245, 34.362
Yxy	22.9298, 0.6079, 0.3263
Android (android.graphics.Color)	4294911277 (0xFFFF252D)
YUV	103.0940, -28.6403, 133.2216
Hunter-Lab	47.8851, 75.4537, 27.7926

Details

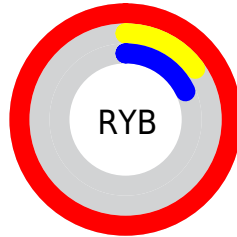
The CIELCh color **55, 93.245, 34.362** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **91, 50.211, 191.467**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.121, 33.669**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 100.832, 37.952**, and if you desaturate by 10%, it is **57, 82.676, 30.347**.

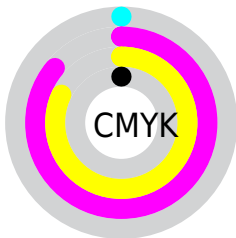
Distribution



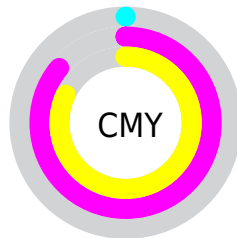
- Red (100%)
- Green (15%)
- Blue (18%)



- Red (100%)
- Yellow (15%)
- Blue (18%)



- Cyan (0%)
- Magenta (86%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (86%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 93.245, 34.362 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, 93.245, 34.362 by changing the saturation by 10% instead.

 55, 93.245, 34.362

 55, 93.245, 34.362

 100, 93.245,
34.362

 45, 93.245, 34.362

 75, 93.245, 34.362

 35, 93.245, 34.362

 85, 93.245, 34.362

 25, 93.245, 34.362

 95, 93.245, 34.362


 15, 93.245, 34.362

 5, 93.245, 34.362

 0, 93.245, 34.362

 55, 93.245, 34.362

 55, 93.245, 34.362

 54, 100.832,
37.952

 57, 82.676, 30.347

 61, 71.386, 26.804

53, 103.146,
38.990

65, 59.600, 23.920

71, 47.755, 21.663

76, 36.201, 19.917

83, 25.179, 18.561

89, 14.819, 17.492

96, 5.165, 16.578

100, 0.012,
296.813

Harmonies

Complementary

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



55, 93.245, 34.362



91, 50.211, 191.467

Rectangle

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



55, 93.245, 34.362



55, 93.245, 84.362



55, 93.245, 214.362



55, 93.245, 264.362

Sweetspot

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



55, 92.888, 34.325



83, 25.534, 18.601



60, 111.820, 326.338



42, 17.520, 19.037



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, 92.888, 34.325



53, 103.146, 38.990



69, 78.344, 59.387



49, 5.255, 16.927



40, 82.616, 38.568



10, 33.063, 25.685

Inverse Universe

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



55, 92.888, 34.325



53, 103.146, 38.990



63, 57.633, 272.804



49, 5.255, 16.927



40, 82.616, 38.568



10, 33.063, 25.685

Previews

White Background



This preview shows how the CIELCh color 55, 93.245, 34.362 looks on a white background.

Color Contrast Check

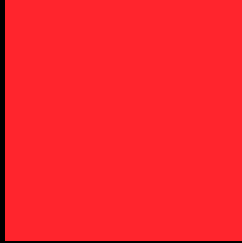
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.245, 34.362 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, 93.245, 34.362

Background



This preview shows how black text looks on a background with the CIELCh color 55, 93.245, 34.362.



This preview shows how white text looks on a background with the CIELCh color 55, 93.245, 34.362.

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, 92.754, 34.287

Protanopia

55, 36.204, 96.252

Deuteranopia

55, 56.761, 83.045



Tritanopia
55, 95.195, 36.785

Trichromacy



Original Color
55, 92.754, 34.287

Protanomaly
51, 48.846, 48.482

Deuteranomaly
52, 65.010, 53.797

Tritanomaly
55, 94.302, 35.780

Monochromacy



Original Color
55, 92.754, 34.287

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 35.678, 22.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 93.245, 34.362 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, 37, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 45)  
}
```

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, 37, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 93.245, 34.362 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, 37, 45) }
```

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

```
.border{ border-color:rgb(255, 37, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 37, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 93.245, 34.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 45) }
```

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

```
.background{ background-color: rgb(255, 37,  
45) }
```

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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