

Converting Colors

CIELCh(53, 84.182, 33.272)

Have a look what the booklet for
CIELCh(53, 84.182, 33.272) contains.

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Color

CIELCh(53, 84.394, 33.455)

Conversions

Conversions Part 1

Format	Color
Hex	F13133
RGB	241, 49, 51
RGB Percent	95%, 19%, 20%
CMY	0.0562, 0.8092, 0.8009
CMYK	0.00, 0.80, 0.79, 0.06
HSL	359°, 87%, 57%
HSV	359°, 80%, 94%
XYZ	37.8402, 21.0462, 5.1739
YIQ	106.6360, 113.7900, 41.3260

Conversions

Conversions Part 2

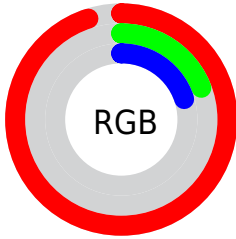
Format	Color
R _Y B	241, 49, 51
Decimal	15806771
CIE Lab	53.00, 70.41, 46.52
CIE LCh	53, 84.394, 33.455
Yxy	21.0462, 0.5907, 0.3285
Android (android.graphics.Color)	4293996851 (0xFFFF13133)
YUV	106.6360, -27.4285, 117.8372
Hunter-Lab	45.8761, 66.9497, 25.4266

Details

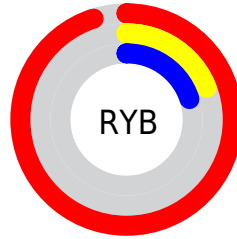
The CIELCh color **53, 84.394, 33.455** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **87, 46.117, 195.082**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 63.366, 33.037**, and **36, 77.650, 38.550** is the 20% darker color. If you saturate the color by 10%, you get **51, 93.576, 37.086**, and if you desaturate by 10%, it is **56, 73.617, 29.860**.

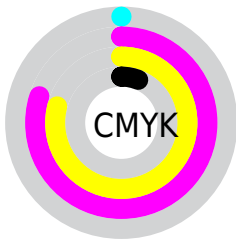
Distribution



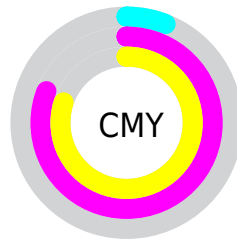
- Red (95%)
- Green (19%)
- Blue (20%)



- Red (95%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (79%)
- Black (6%)



- Cyan (6%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 84.394, 33.455 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 53, 84.394, 33.455 by changing the saturation by 10% instead.

 53, 84.394, 33.455

 53, 84.394, 33.455

 100, 84.394,
33.455

 43, 84.394, 33.455

 73, 84.394, 33.455

 33, 84.394, 33.455

 83, 84.394, 33.455

 23, 84.394, 33.455

 93, 84.394, 33.455

 13, 84.394, 33.455

 3, 84.394, 33.455

 0, 84.394, 33.455

 53, 84.394, 33.455

 53, 84.394, 33.455

 51, 93.576, 37.086

 56, 73.617, 29.860

 50, 99.531, 39.624

 60, 62.183, 26.806

50, 99.640, 39.670

65, 50.599, 24.380

70, 39.241, 22.506

76, 28.376, 21.067

82, 18.155, 19.955

89, 8.638, 19.066

95, 0.178, 202.033

99, 4.933, 199.227

Harmonies

Complementary

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



53, 84.394, 33.455



87, 46.117, 195.082

Rectangle

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



53, 84.394, 33.455



53, 84.394, 83.455



53, 84.394, 213.455



53, 84.394, 263.455

Sweetspot

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



53, 84.391, 33.457



84, 23.455, 20.398



59, 103.723, 327.447



42, 16.330, 20.805



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53, 84.391, 33.457



54, 102.171, 38.911



68, 69.342, 63.336



47, 4.991, 19.040



38, 81.191, 39.538



8, 29.776, 23.363

Inverse Universe

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



53, 84.391, 33.457



54, 102.171, 38.911



60, 54.653, 273.929



47, 4.991, 19.040



38, 81.191, 39.538



8, 29.776, 23.363

Previews

White Background



This preview shows how the CIELCh color 53, 84.394, 33.455 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 53, 84.394, 33.455 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 53, 84.394, 33.455

Background



This preview shows how black text looks on a background with the CIELCh color 53, 84.394, 33.455.



This preview shows how white text looks on a background with the CIELCh color 53, 84.394, 33.455.

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

53, 84.394, 33.455

Protanopia

53, 31.064, 96.109

Deuteranopia

53, 50.218, 82.701



Tritanopia
53, 84.923, 34.061

Trichromacy



Original Color
53, 84.394, 33.455

Protanomaly
50, 42.932, 49.407

Deuteranomaly
51, 57.594, 53.665

Tritanomaly
53, 84.658, 33.760

Monochromacy



Original Color
53, 84.394, 33.455

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 31.510, 22.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 84.394, 33.455 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(241, 49, 51)` looks like.

```
.text, #text, p{  
    color:rgb(241, 49, 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(241, 49, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 49, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 84.394, 33.455 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(241, 49, 51) }
```

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

```
.border{ border-color:rgb(241, 49, 51) }
```

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

Here you see how a box with a 4 pixel rgb(241, 49, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 49, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 49, 51);  
box-shadow:4px 4px 4px 4px rgb(241, 49,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 84.394, 33.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 49, 51) }
```

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

```
.background{ background-color: rgb(241, 49,  
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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