

Converting Colors

CIELCh(55, 82.051, 32.781)

Have a look what the booklet for
CIELCh(55, 82.051, 32.781) contains.

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Color

CIELCh(55, 82.042, 32.728)

Conversions

Conversions Part 1

Format	Color
Hex	F53B3B
RGB	245, 59, 59
RGB Percent	96%, 23%, 23%
CMY	0.0382, 0.7675, 0.7679
CMYK	0.00, 0.76, 0.76, 0.04
HSL	0°, 91%, 60%
HSV	0°, 76%, 96%
XYZ	40.1146, 22.9298, 6.4732
YIQ	114.6140, 110.8560, 39.4320

Conversions

Conversions Part 2

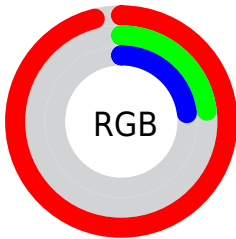
Format	Color
RYB	245, 59, 59
Decimal	16071483
CIELab	55.00, 69.02, 44.36
CIElCh	55, 82.042, 32.728
Yxy	22.9298, 0.5770, 0.3298
Android (android.graphics.Color)	4294261563 (0xFFFF53B3B)
YUV	114.6140, -27.4177, 114.3485
Hunter-Lab	47.8851, 65.7353, 25.5047

Details

The CIELCh color **55, 82.042, 32.728** 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 **88, 45.603, 196.633**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 59.357, 32.774**, and **37, 77.020, 36.577** is the 20% darker color. If you saturate the color by 10%, you get **53, 92.224, 36.326**, and if you desaturate by 10%, it is **58, 70.624, 29.373**.

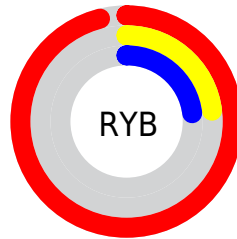
Distribution



Red (96%)

Green (23%)

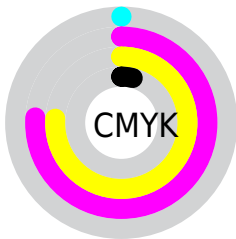
Blue (23%)



Red (96%)

Yellow (23%)

Blue (23%)

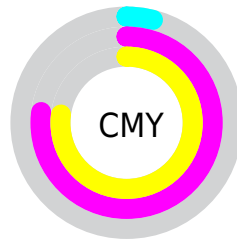


Cyan (0%)

Magenta (76%)

Yellow (76%)

Black (4%)



Cyan (4%)

Magenta (77%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 82.042, 32.728 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, 82.042, 32.728 by changing the saturation by 10% instead.

 55, 82.042, 32.728

 55, 82.042, 32.728

 100, 82.042,
32.728

 45, 82.042, 32.728

 75, 82.042, 32.728

 35, 82.042, 32.728

 85, 82.042, 32.728

 25, 82.042, 32.728

 95, 82.042, 32.728

 15, 82.042, 32.728

 5, 82.042, 32.728

 0, 82.042, 32.728

 55, 82.042, 32.728

 55, 82.042, 32.728

 53, 92.224, 36.326

 58, 70.624, 29.373

 51, 99.433, 39.151

 63, 58.772, 26.601

51, 101.525,
40.004

68, 46.959, 24.431

74, 35.525, 22.767

80, 24.690, 21.495

86, 14.566, 20.511

93, 5.178, 19.688

99, 3.372, 199.388

Harmonies

Complementary

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



55, 82.042, 32.728



88, 45.603, 196.633

Rectangle

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



55, 82.042, 32.728



55, 82.042, 82.728



55, 82.042, 212.728



55, 82.042, 262.728

Sweetspot

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



55, 82.039, 32.730



84, 22.410, 21.192



61, 102.657, 327.938



43, 15.728, 21.584



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, 82.039, 32.730



54, 99.492, 38.018



71, 66.839, 65.466



48, 5.077, 19.984



39, 82.543, 40.005



8, 31.012, 25.035

Inverse Universe

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



88, 45.603, 196.633



91, 49.518, 196.496



62, 54.425, 274.138



50, 4.780, 199.012



69, 39.530, 196.469



22, 17.577, 196.458

Previews

White Background



This preview shows how the CIELCh color 55, 82.042, 32.728 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, 82.042, 32.728 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, 82.042, 32.728

Background



This preview shows how black text looks on a background with the CIELCh color 55, 82.042, 32.728.



This preview shows how white text looks on a background with the CIELCh color 55, 82.042, 32.728.

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, 82.042, 32.728

Protanopia

55, 28.751, 95.868

Deuteranopia

55, 47.758, 81.108



Tritanopia
55, 81.529, 32.068

Trichromacy



Original Color
55, 82.042, 32.728

Protanomaly
53, 40.747, 48.816

Deuteranomaly
53, 55.194, 52.725

Tritanomaly
55, 81.784, 32.400

Monochromacy



Original Color
55, 82.042, 32.728

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 29.692, 23.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 82.042, 32.728 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(245, 59, 59)` looks like.

```
.text, #text, p{  
    color:rgb(245, 59, 59)  
}
```

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(245, 59, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 59, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 82.042, 32.728 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(245, 59, 59) }
```

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

```
.border{ border-color:rgb(245, 59, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 59, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 59, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 59, 59);  
box-shadow:4px 4px 4px 4px rgb(245, 59,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 82.042, 32.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 59, 59) }
```

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

```
.background{ background-color: rgb(245, 59,  
59) }
```

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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