

Converting Colors

XYZ(38.8397, 22.8422, 8.3907)

Have a look what the booklet for
XYZ(38.8397, 22.8422, 8.3907)
contains.

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Color

**XYZ(38.7411, 22.8200,
8.3240)**

Conversions

Conversions Part 1

Format	Color
Hex	EF4347
RGB	239, 67, 71
RGB Percent	94%, 26%, 28%
CMY	0.0627, 0.7372, 0.7216
CMYK	0.00, 0.72, 0.70, 0.06
HSL	359°, 84%, 60%
HSV	359°, 72%, 94%
XYZ	38.7411, 22.8200, 8.3240
YIQ	118.8840, 101.2280, 37.7080

Conversions

Conversions Part 2

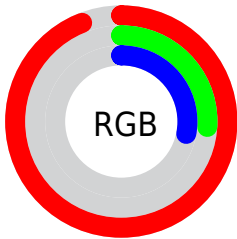
Format	Color
R_{YB}	239, 67, 71
Decimal	15680327
CIE _{Lab}	54.89, 65.18, 37.34
CIE _{LCh}	55, 75.112, 29.805
Yxy	22.8200, 0.5544, 0.3265
Android (android.graphics.Color)	4293870407 (0xFFEF4347)
YUV	118.8840, -23.6068, 105.3417
Hunter-Lab	47.7703, 61.1633, 23.1079

Details

The XYZ color **38.7411, 22.8200, 8.3240** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **48.1790, 68.9252, 89.3706**, and the grayscale version is **17.5493, 18.4632, 20.1065**.

A 20% lighter version of the original color is **52.0910, 37.5378, 22.2693**, and **17.8770, 9.1931, 1.8691** is the 20% darker color. If you saturate the color by 10%, you get **36.9907, 20.2971, 4.7272**, and if you desaturate by 10%, it is **41.3659, 26.6322, 13.6316**.

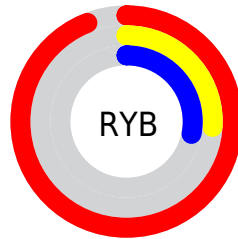
Distribution



Red (94%)

Green (26%)

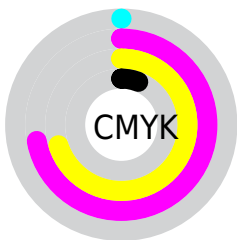
Blue (28%)



Red (94%)

Yellow (26%)

Blue (28%)

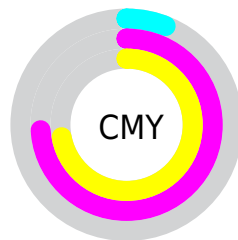


Cyan (0%)

Magenta (72%)

Yellow (70%)

Black (6%)



Cyan (6%)


Magenta (74%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7411, 22.8200, 8.3240 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 XYZ color 38.7411, 22.8200, 8.3240 by changing the saturation by 10% instead.


 38.7411, 22.8200,
8.3240


 38.7411, 22.8200,
8.3240


332.0147,
266.7991, 188.2802


 26.7382, 14.4607,
4.2122


 72.5392, 48.0976,
23.1478


 17.5123, 8.4417,
1.7425


 95.0652, 65.7846,
34.6969


 10.6980, 4.3789,
0.3896


 121.8295, 87.3497,
49.5621

 5.9299, 1.8877,
0.0000

 153.1976,
113.1772, 68.1621

 2.8428, 0.5410,
0.0000

 189.5348,
143.6515, 90.9154

 1.0712, 0.0000,
0.0000

231.2065,

 0.0008, 0.0000,

179.1570, 118.2404

0.0000

278.5780,
220.0780, 150.5559

■ 0.0000, 0.0000,
0.0000

■ 38.7411, 22.8200,
8.3240

■ 38.7411, 22.8200,
8.3240

■ 36.9907, 20.2971,
4.7272

■ 41.3659, 26.6322,
13.6316

■ 36.0010, 18.8908,
2.6299


■ 44.9575, 31.8700,
20.8257


■ 35.6267, 18.3627,
1.8258


■ 49.5979, 38.6569,
30.0614

■ 55.3604, 47.1018,
41.4775

■ 62.3113, 57.3038,
55.2007

 70.5122, 69.3545,
71.3477

 80.0200, 83.3389,
90.0278

 89.4064, 97.0906,
108.6359

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9402, 22.8200, 25.0031



38.7411, 22.8200, 8.3240



30.7704, 22.8200, 2.5601

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.7411, 22.8200, 8.3240



10.5936, 22.8200, 8.1946



21.6354, 22.8200, 104.5803

Complementary

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



38.7411, 22.8200, 8.3240



48.1790, 68.9252, 89.3706

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.5984, 22.8200, 89.2001



38.7411, 22.8200, 8.3240



9.3038, 22.8200, 24.6918

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.7411, 22.8200, 8.3240



14.6708, 22.8200, 2.5261



10.5599, 22.8200, 55.2822



30.6517, 22.8200, 89.5655

Rectangle

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



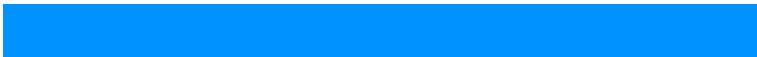
38.7411, 22.8200, 8.3240



24.6459, 22.8200, 1.5328



10.5599, 22.8200, 55.2822



18.9799, 22.8200, 102.7068

Sweetspot

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



38.7416, 22.8214, 8.3243



72.0892, 66.2404, 63.7528



51.2791, 27.6163, 84.2886



14.9319, 13.4467, 12.6632



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.7416, 22.8214, 8.3243



42.2583, 22.6623, 4.2252



47.0861, 39.7085, 10.4950



15.7877, 15.7648, 16.4381



19.6948, 10.1503, 1.0434



1.6436, 0.8465, 0.1141

Inverse Universe

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



38.7416, 22.8214, 8.3243



42.2583, 22.6623, 4.2252



30.2488, 32.1322, 86.2687



15.7877, 15.7648, 16.4381



19.6948, 10.1503, 1.0434



1.6436, 0.8465, 0.1141

Previews

White Background



This preview shows how the XYZ color 38.7411, 22.8200, 8.3240 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 XYZ color 38.7411, 22.8200, 8.3240 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](#).

XYZ 38.7411, 22.8200, 8.3240

Background



This preview shows how black text looks on a background with the XYZ color 38.7411, 22.8200, 8.3240.



This preview shows how white text looks on a background with the XYZ color 38.7411, 22.8200,

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

38.7411, 22.8200, 8.3240

Protanopia

21.4270, 23.0615, 13.9117

Deuteranopia

23.2802, 22.7907, 7.5869



Tritanopia

38.7092, 22.8072, 8.1564

Trichromacy



Original Color

38.7411, 22.8200, 8.3240

Protanomaly

25.1737, 20.7441, 11.4813

Deuteranomaly

27.3903, 21.3586, 7.6800

Tritanomaly

38.7092, 22.8072, 8.1564

Monochromacy



Original Color

38.7411, 22.8200, 8.3240

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

22.0597, 17.8602, 14.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7411, 22.8200, 8.3240 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(239, 67, 71)` looks like.

```
.text, #text, p{  
    color:rgb(239, 67, 71)  
}
```

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(239, 67, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 67, 71) }
```

Border

The CSS property to change the border of an element to XYZ 38.7411, 22.8200, 8.3240 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(239, 67, 71) }
```


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

```
.border{ border-color:rgb(239, 67, 71) }
```

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

Here you see how a box with a 4 pixel rgb(239, 67, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 67, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 67, 71);  
box-shadow:4px 4px 4px 4px rgb(239, 67,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7411, 22.8200, 8.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 67, 71) }
```

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

```
.background{ background-color: rgb(239, 67,  
71) }
```

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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