

Converting Colors

XYZ(38.7667, 23.8681, 8.5250)

Have a look what the booklet for
XYZ(38.7667, 23.8681, 8.5250)
contains.

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Color

**XYZ(38.7868, 23.9082,
8.5317)**

Conversions

Conversions Part 1

Format	Color
Hex	ED4E47
RGB	237, 78, 71
RGB Percent	93%, 31%, 28%
CMY	0.0706, 0.6941, 0.7216
CMYK	0.00, 0.67, 0.70, 0.07
HSL	3°, 82%, 60%
HSV	3°, 70%, 93%
XYZ	38.7868, 23.9082, 8.5317
YIQ	124.7430, 97.0110, 31.5310

Conversions

Conversions Part 2

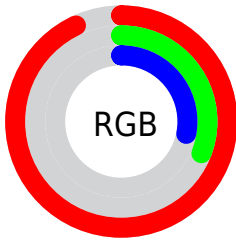
Format	Color
R_{YB}	237, 78, 71
Decimal	15552071
CIE Lab	56.00, 60.54, 38.55
CIE LCh	56, 71.771, 32.486
Yxy	23.9082, 0.5446, 0.3357
Android (android.graphics.Color)	4293742151 (0xFFED4E47)
YUV	124.7430, -26.4953, 98.4494
Hunter-Lab	48.8960, 56.0272, 23.8819

Details

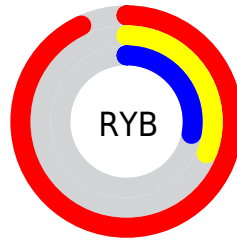
The XYZ color **38.7868, 23.9082, 8.5317** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **46.1787, 64.0423, 90.0479**, and the grayscale version is **19.4712, 20.4852, 22.3084**.

A 20% lighter version of the original color is **53.2941, 39.9440, 22.6704**, and **17.6420, 9.0733, 1.7988** is the 20% darker color. If you saturate the color by 10%, you get **36.8251, 20.9741, 4.8288**, and if you desaturate by 10%, it is **41.6024, 28.0762, 13.9819**.

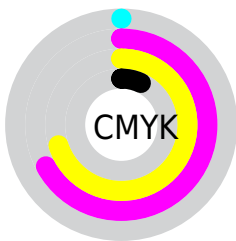
Distribution



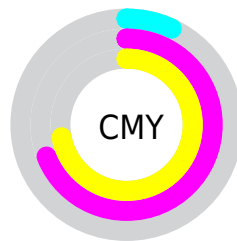
- Red (93%)
- Green (31%)
- Blue (28%)



- Red (93%)
- Yellow (31%)
- Blue (28%)



- Cyan (0%)
- Magenta (67%)
- Yellow (70%)
- Black (7%)





- Cyan (7%)
- Magenta (69%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7868, 23.9082, 8.5317 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 38.7868, 23.9082, 8.5317 by changing the saturation by 10% instead.


 38.7868, 23.9082,
8.5317


 38.7868, 23.9082,
8.5317


332.2060,
272.3560, 189.9325


 26.7739, 15.2655,
4.3444


 72.6087, 49.8804,
23.5575


 17.5392, 9.0060,
1.8161


 95.1483, 67.9786,
35.2331


 10.7173, 4.7451,
0.4386


 121.9276, 89.9976,
50.2419

 5.9430, 2.0985,
0.0000

 153.3119,
116.3216, 69.0024

 2.8508, 0.6638,
0.0000

 189.6665,
147.3350, 91.9332

 1.0753, 0.0000,
0.0000

231.3568,

 0.0043, 0.0000,

183.4223, 119.4528

0.0000

278.7482,
224.9679, 151.9797

■ 0.0000, 0.0000,
0.0000

■ 38.7868, 23.9082,
8.5317

■ 38.7868, 23.9082,
8.5317

■ 36.8251, 20.9741,
4.8288

■ 41.6024, 28.0762,
13.9819

■ 35.6188, 19.1350,
2.6587


■ 45.3525, 33.5895,
21.3578


■ 35.0335, 18.2217,
1.6707

■ 50.1104, 40.5515,
30.8170

■ 55.9416, 49.0545,
42.5006

■ 62.9060, 59.1831,
56.5375

 71.0592, 71.0159,
73.0466

 80.4530, 84.6263,
92.1388

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



42.3956, 23.9082, 24.1223



38.7868, 23.9082, 8.5317



30.8136, 23.9082, 3.0105

Triad

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



38.7868, 23.9082, 8.5317



11.4128, 23.9082, 10.2478



23.4147, 23.9082, 102.2199

Complementary

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



38.7868, 23.9082, 8.5317



46.1787, 64.0423, 90.0479

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.



16.1908, 23.9082, 90.1252



38.7868, 23.9082, 8.5317



10.3316, 23.9082, 28.0398

Square

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



38.7868, 23.9082, 8.5317



15.2643, 23.9082, 3.4997



11.8504, 23.9082, 58.5945



32.2875, 23.9082, 85.7173

Rectangle

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



38.7868, 23.9082, 8.5317



24.8489, 23.9082, 2.0235



11.8504, 23.9082, 58.5945



20.7239, 23.9082, 101.3629

Sweetspot

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



38.7873, 23.9096, 8.5321



73.3599, 68.5468, 64.9007



51.6679, 28.3069, 78.6876



15.1932, 13.9322, 12.8644



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.



38.7873, 23.9096, 8.5321



42.7707, 23.6866, 4.3973



48.5523, 43.4395, 11.7871



15.1165, 15.1559, 15.6474



19.1508, 9.9958, 0.9200



1.5218, 0.8210, 0.0783

Inverse Universe

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



46.1787, 64.0423, 90.0479



51.8987, 73.5718, 106.0732



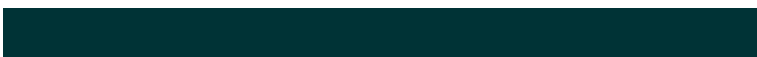
28.5479, 28.7806, 84.1710



15.4600, 17.0064, 19.3900



23.3670, 33.3811, 48.9546



1.8518, 2.6551, 3.8498

Previews

White Background



This preview shows how the XYZ color 38.7868, 23.9082, 8.5317 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 38.7868, 23.9082, 8.5317 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 38.7868, 23.9082, 8.5317

Background



This preview shows how black text looks on a background with the XYZ color 38.7868, 23.9082, 8.5317.



This preview shows how white text looks on a background with the XYZ color 38.7868, 23.9082,

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

38.7868, 23.9082, 8.5317

Protanopia

22.4064, 24.1943, 13.3865

Deuteranopia

24.3146, 23.8931, 7.8877



Tritanopia

39.0641, 23.9064, 10.3401

Trichromacy



Original Color

38.7868, 23.9082, 8.5317

Protanomaly

26.2080, 22.2584, 11.3025

Deuteranomaly

28.2683, 22.7400, 7.9004

Tritanomaly

38.9185, 23.8481, 9.5731

Monochromacy



Original Color

38.7868, 23.9082, 8.5317

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.6382, 19.8520, 15.9506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7868, 23.9082, 8.5317 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(237, 78, 71)` looks like.

```
.text, #text, p{  
    color:rgb(237, 78, 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(237, 78, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 78, 71) }
```

Border

The CSS property to change the border of an element to XYZ 38.7868, 23.9082, 8.5317 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(237, 78, 71) }
```


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

```
.border{ border-color:rgb(237, 78, 71) }
```

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

Here you see how a box with a 4 pixel rgb(237, 78, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 78, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 78, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 78,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7868, 23.9082, 8.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 78, 71) }
```

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

```
.background{ background-color: rgb(237, 78,  
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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