

Converting Colors

XYZ(38.3376, 24.2420, 7.8128)

Have a look what the booklet for
XYZ(38.3376, 24.2420, 7.8128)
contains.

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Color

**XYZ(38.3376, 24.2420,
7.8128)**

Conversions

Conversions Part 1

Format	Color
Hex	EB5342
RGB	235, 83, 66
RGB Percent	92%, 33%, 26%
CMY	0.0784, 0.6745, 0.7412
CMYK	0.00, 0.65, 0.72, 0.08
HSL	6°, 81%, 59%
HSV	6°, 72%, 92%
XYZ	38.3376, 24.2420, 7.8128
YIQ	126.5100, 96.0490, 26.9370

Conversions

Conversions Part 2

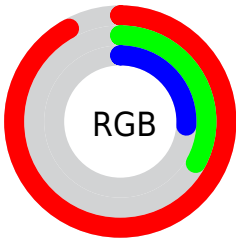
Format	Color
R _Y B	235, 85, 66
Decimal	15422274
CIE Lab	56.33, 57.67, 41.60
CIE LCh	56, 71.103, 35.805
Yxy	24.2420, 0.5446, 0.3444
Android (android.graphics.Color)	4293612354 (0xFFEB5342)
YUV	126.5100, -29.8314, 95.1457
Hunter-Lab	49.2362, 52.8252, 25.0572

Details

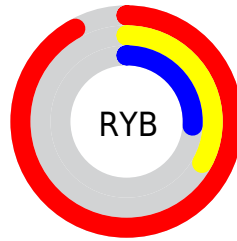
The XYZ color **38.3376, 24.2420, 7.8128** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.3112, 57.2945, 87.4258**, and the grayscale version is **20.0819, 21.1277, 23.0080**.

A 20% lighter version of the original color is **53.5671, 40.9630, 21.3030**, and **17.3491, 9.2257, 1.5758** is the 20% darker color. If you saturate the color by 10%, you get **36.4035, 21.2645, 4.4236**, and if you desaturate by 10%, it is **41.0499, 28.3215, 12.8649**.

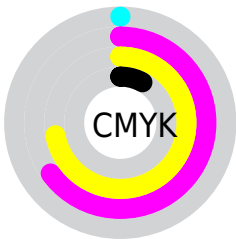
Distribution



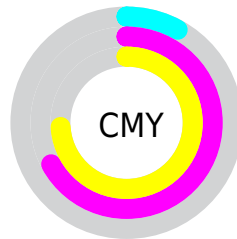
- Red (92%)
- Green (33%)
- Blue (26%)



- Red (92%)
- Yellow (33%)
- Blue (26%)



- Cyan (0%)
- Magenta (65%)
- Yellow (72%)
- Black (8%)





- Cyan (8%)
- Magenta (67%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3376, 24.2420, 7.8128 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 38.3376, 24.2420, 7.8128 by changing the saturation by 10% instead.


 38.3376, 24.2420,
7.8128


 38.3376, 24.2420,
7.8128


330.3218,
274.0417, 184.1357


 26.4232, 15.5132,
3.8893


 71.9259, 50.4248,
22.1307


 17.2749, 9.1804,
1.5648


 94.3305, 68.6477,
33.3623

 10.5272, 4.8590,
0.2655


 120.9625, 90.8040,
47.8669

 5.8148, 2.1648,
0.0000

 152.1873,
117.2782, 66.0632

 2.7724, 0.7007,
0.0000

 188.3703,
148.4547, 88.3697

 1.0346, 0.0000,
0.0000

 229.8769,

 0.0000, 0.0000,

184.7178, 115.2049

0.0000

277.0722,
226.4520, 146.9874

■ 38.3376, 24.2420,
7.8128

■ 38.3376, 24.2420,
7.8128

■ 36.4035, 21.2645,
4.4236

■ 41.0499, 28.3215,
12.8649

■ 35.1623, 19.2770,
2.4837


■ 44.6105, 33.5924,
19.7557


■ 34.5803, 18.3011,
1.7099


■ 49.0832, 40.1396,
28.6403


■ 54.5255, 48.0391,
39.6567

■ 60.9898, 57.3611,
52.9307

 68.5251, 68.1707,
68.5784

 77.1769, 80.5291,
86.7079

 86.9883, 94.4940,
107.4207

 88.0708, 96.4021,
108.5734

Harmonies

Analogous

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



42.5532, 24.2420, 22.0873



38.3376, 24.2420, 7.8128



30.1253, 24.2420, 2.9176

Triad

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



38.3376, 24.2420, 7.8128



11.4453, 24.2420, 11.8783



24.6728, 24.2420, 101.6107

Complementary

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



38.3376, 24.2420, 7.8128



42.3112, 57.2945, 87.4258

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.



17.1652, 24.2420, 92.7106



38.3376, 24.2420, 7.8128



10.6468, 24.2420, 31.2301

Square

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



38.3376, 24.2420, 7.8128



14.9943, 24.2420, 4.1008



12.4748, 24.2420, 62.5992



33.5494, 24.2420, 82.5546

Rectangle

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



38.3376, 24.2420, 7.8128



24.2139, 24.2420, 2.1186



12.4748, 24.2420, 62.5992



21.9071, 24.2420, 101.8824

Sweetspot

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



38.3381, 24.2434, 7.8132



73.2601, 68.8247, 63.3952



48.8770, 26.6258, 68.9612



15.2016, 14.0417, 12.5813



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.



38.3381, 24.2434, 7.8132



43.0554, 24.3886, 4.0833



49.1363, 45.8397, 11.4126



15.1874, 15.2979, 15.6710



19.2877, 10.2696, 0.9657



1.5558, 0.8889, 0.0896

Inverse Universe

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



42.3112, 57.2945, 87.4258



47.8859, 65.8272, 104.7898



25.7121, 24.0963, 81.8927



15.3806, 16.8477, 19.3635



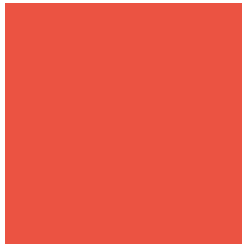
21.4124, 29.4718, 48.3030



1.7189, 2.3892, 3.8054

Previews

White Background



This preview shows how the XYZ color 38.3376, 24.2420, 7.8128 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 38.3376, 24.2420, 7.8128 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 38.3376, 24.2420, 7.8128

Background



This preview shows how black text looks on a background with the XYZ color 38.3376, 24.2420, 7.8128.



This preview shows how white text looks on a background with the XYZ color 38.3376, 24.2420,

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

38.3376, 24.2420, 7.8128

Protanopia

22.6171, 24.5443, 11.9330

Deuteranopia

24.7372, 24.3208, 7.2615



Tritanopia

39.1004, 24.2261, 11.2096

Trichromacy



Original Color

38.3376, 24.2420, 7.8128

Protanomaly

26.5232, 22.9617, 10.0553

Deuteranomaly

28.3480, 23.1211, 7.2437

Tritanomaly

38.9096, 24.2678, 9.8411

Monochromacy



Original Color

38.3376, 24.2420, 7.8128

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.9601, 20.4958, 16.0578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3376, 24.2420, 7.8128 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(235, 83, 66)` looks like.

```
.text, #text, p{  
    color:rgb(235, 83, 66)  
}
```

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(235, 83, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 83, 66) }
```

Border

The CSS property to change the border of an element to XYZ 38.3376, 24.2420, 7.8128 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(235, 83, 66) }
```


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

```
.border{ border-color:rgb(235, 83, 66) }
```

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

Here you see how a box with a 4 pixel rgb(235, 83, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 83, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 83, 66);  
box-shadow:4px 4px 4px 4px rgb(235, 83,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3376, 24.2420, 7.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 83, 66) }
```

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

```
.background{ background-color: rgb(235, 83,  
66) }
```

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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