

Converting Colors

XYZ(38.4424, 24.8646, 3.3455)

Have a look what the booklet for
XYZ(38.4424, 24.8646, 3.3455)
contains.

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Color

**XYZ(38.4424, 24.8646,
3.3455)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5712
RGB	237, 87, 18
RGB Percent	93%, 34%, 7%
CMY	0.0706, 0.6588, 0.9294
CMYK	0.00, 0.63, 0.92, 0.07
HSL	19°, 86%, 50%
HSV	19°, 92%, 93%
XYZ	38.4424, 24.8646, 3.3455
YIQ	123.9840, 111.5490, 10.3410

Conversions

Conversions Part 2

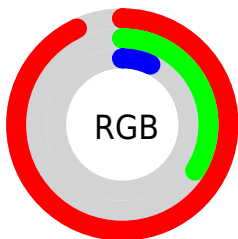
Format	Color
R _Y B	237, 119, 18
Decimal	15554322
CIE Lab	56.94, 55.36, 63.12
CIE LCh	57, 83.957, 48.751
Yxy	24.8646, 0.5768, 0.3730
Android (android.graphics.Color)	4293744402 (0xFFED5712)
YUV	123.9840, -52.2501, 99.1150
Hunter-Lab	49.8644, 50.3498, 30.9272

Details

The XYZ color **38.4424, 24.8646, 3.3455** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **29.5367, 34.2456, 85.1733**, and the grayscale version is **19.2968, 20.3017, 22.1086**.

A 20% lighter version of the original color is **52.1156, 41.0870, 11.4871**, and **17.6030, 9.6230, 0.9296** is the 20% darker color. If you saturate the color by 10%, you get **37.4191, 22.9931, 2.4659**, and if you desaturate by 10%, it is **40.2117, 27.9181, 5.4321**.

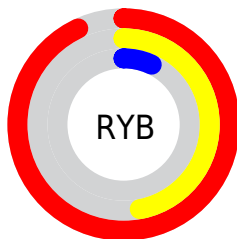
Distribution



Red (93%)

Green (34%)

Blue (7%)



Red (93%)

Yellow (47%)

Blue (7%)

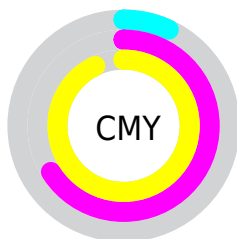


Cyan (0%)

Magenta (63%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (66%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4424, 24.8646, 3.3455 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 38.4424, 24.8646, 3.3455 by changing the saturation by 10% instead.


 38.4424, 24.8646,
3.3455


 38.4424, 24.8646,
3.3455


330.7621,
277.1630, 140.6463


 26.5050, 15.9762,
1.2736


 72.0853, 51.4375,
12.4697

 17.3365, 9.5073,
0.0400


 94.5214, 69.8908,
20.3591

 10.5715, 5.0735,
0.0000


 121.1879, 92.3011,
31.0248

 5.8446, 2.2905,
0.0000

 152.4500,
119.0530, 44.8853

 2.7906, 0.7687,
0.0000

 188.6731,
150.5307, 62.3592


 1.0440, 0.0000,
0.0000


 230.2226,


 0.0000, 0.0000,


187.1186, 83.8649


0.0000


 277.4638,
229.2013, 109.8211


 38.4424, 24.8646,
3.3455


 38.4424, 24.8646,
3.3455


 37.4191, 22.9931,
2.4659

 40.2117, 27.9181,
5.4321

 42.5440, 31.6975,
8.9385

 45.4950, 36.2530,
14.0737

 49.1125, 41.6285,
21.0114

 53.4385, 47.8643,
29.9028

■ 58.5118, 54.9977,
40.8827

■ 64.3677, 63.0637,
54.0742

■ 71.0394, 72.0955,
69.5904

■ 78.5580, 82.1242,
87.5369

Harmonies

Analogous

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



46.4755, 24.8646, 13.1169



38.4424, 24.8646, 3.3455



27.5221, 24.8646, 1.1142

Triad

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



38.4424, 24.8646, 3.3455



9.5032, 24.8646, 17.8138



30.2561, 24.8646, 117.7103

Complementary

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



38.4424, 24.8646, 3.3455



29.5367, 34.2456, 85.1733

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.



20.1288, 24.8646, 122.6691



38.4424, 24.8646, 3.3455



9.8567, 24.8646, 48.5100

Square

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



38.4424, 24.8646, 3.3455



12.0655, 24.8646, 4.7506



13.2192, 24.8646, 91.7222



40.9160, 24.8646, 80.8666

Rectangle

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



38.4424, 24.8646, 3.3455



20.8683, 24.8646, 1.0660



13.2192, 24.8646, 91.7222



26.6319, 24.8646, 123.7968

Sweetspot

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



38.4429, 24.8660, 3.3459



71.9449, 68.8939, 54.6338



42.5205, 21.3888, 40.5658



14.7831, 13.8928, 10.3208



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.



38.4429, 24.8660, 3.3459



44.1345, 27.0489, 2.8948



54.1481, 56.2764, 8.5810



15.4528, 15.8286, 15.7595



20.5334, 12.7610, 1.3809



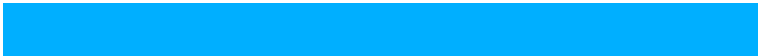
1.6958, 1.1689, 0.1362

Inverse Universe

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



29.5367, 34.2456, 85.1733



33.3117, 37.7433, 100.1372



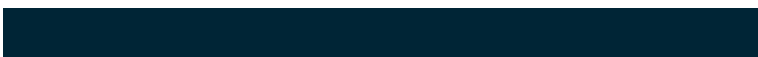
17.2474, 9.6668, 81.0768



15.0942, 16.2748, 19.2680



15.5533, 17.7537, 46.3500



1.3069, 1.5652, 3.6681

Previews

White Background



This preview shows how the XYZ color 38.4424, 24.8646, 3.3455 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 38.4424, 24.8646, 3.3455 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 38.4424, 24.8646, 3.3455

Background



This preview shows how black text looks on a background with the XYZ color 38.4424, 24.8646, 3.3455.



This preview shows how white text looks on a background with the XYZ color 38.4424, 24.8646,

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

38.4424, 24.8646, 3.3455

Protanopia

22.5328, 24.8656, 4.9784

Deuteranopia

25.2162, 24.8495, 3.4674



Tritanopia

40.2187, 24.9075, 11.4920

Trichromacy



Original Color

38.4424, 24.8646, 3.3455

Protanomaly

26.5618, 23.4631, 4.1658

Deuteranomaly

28.8206, 23.7857, 3.2731

Tritanomaly

39.1955, 24.7006, 7.1167

Monochromacy



Original Color

38.4424, 24.8646, 3.3455

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

22.8412, 20.0241, 11.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4424, 24.8646, 3.3455 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, 87, 18)` looks like.

```
.text, #text, p{  
    color:rgb(237, 87, 18)  
}
```

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, 87, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 87, 18) }
```

Border

The CSS property to change the border of an element to XYZ 38.4424, 24.8646, 3.3455 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, 87, 18) }
```


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

```
.border{ border-color:rgb(237, 87, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 87, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 87, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 87, 18);  
box-shadow:4px 4px 4px 4px rgb(237, 87,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4424, 24.8646, 3.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 87, 18) }
```

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

```
.background{ background-color: rgb(237, 87,  
18) }
```

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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