

Converting Colors

XYZ(38.4793, 24.8055, 2.9835)

Have a look what the booklet for
XYZ(38.4793, 24.8055, 2.9835)
contains.

XYZ(38.2967, 24.6776, 2.9745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.2967, 24.6776,
2.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5608
RGB	237, 86, 8
RGB Percent	93%, 34%, 3%
CMY	0.0706, 0.6627, 0.9686
CMYK	0.00, 0.64, 0.97, 0.07
HSL	20°, 93%, 48%
HSV	20°, 97%, 93%
XYZ	38.2967, 24.6776, 2.9745
YIQ	122.2570, 115.0340, 7.7540

Conversions

Conversions Part 2

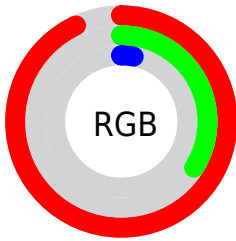
Format	Color
RYB	237, 126, 8
Decimal	15554056
CIELab	56.76, 55.68, 65.21
CIELCh	57, 85.749, 49.510
Yxy	24.6776, 0.5807, 0.3742
Android (android.graphics.Color)	4293744136 (0xFFED5608)
YUV	122.2570, -56.3287, 100.6296
Hunter-Lab	49.6766, 50.6754, 31.2235

Details

The XYZ color **38.2967, 24.6776, 2.9745** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **27.7832, 30.9602, 84.6318**, and the grayscale version is **18.7362, 19.7119, 21.4663**.

A 20% lighter version of the original color is **51.8083, 40.7271, 10.5994**, and **17.3399, 9.4239, 0.9051** is the 20% darker color. If you saturate the color by 10%, you get **37.8474, 23.8495, 2.6086**, and if you desaturate by 10%, it is **39.8972, 27.5385, 4.5581**.

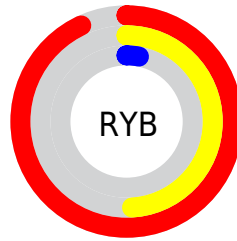
Distribution



Red (93%)

Green (34%)

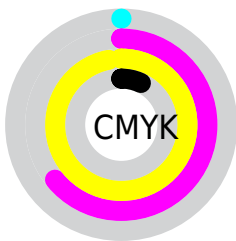
Blue (3%)



Red (93%)

Yellow (49%)

Blue (3%)

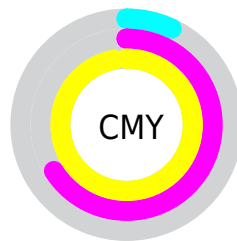


Cyan (0%)

Magenta (64%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (66%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2967, 24.6776, 2.9745 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 38.2967, 24.6776, 2.9745 by changing the saturation by 10% instead.

 38.2967, 24.6776,
2.9745


 38.2967, 24.6776,
2.9745


330.1499,
276.2285, 136.0352

 26.3913, 15.8370,
1.0816


 71.8636, 51.1337,
11.5654


 17.2508, 9.4089,
0.0000


 94.2559, 69.5180,
19.1006

 10.5099, 5.0088,
0.0000


 120.8745, 91.8524,
29.3536

 5.8032, 2.2524,
0.0000

 152.0848,
118.5212, 42.7430

 2.7653, 0.7484,
0.0000

 188.2521,
149.9088, 59.6873


 1.0309, 0.0000,
0.0000


 229.7418,


 0.0000, 0.0000,


186.3996, 80.6051


0.0000


 276.9193,
228.3781, 105.9149


 38.2967, 24.6776,
2.9745


 38.2967, 24.6776,
2.9745


 37.8474, 23.8495,
2.6086

 39.8972, 27.5385,
4.5581

 42.0161, 31.0681,
7.4476

 44.7123, 35.3153,
11.8769

 48.0343, 40.3219,
18.0316

 52.0244, 46.1260,
26.0707

■ 56.7211, 52.7627,
36.1349

■ 62.1595, 60.2648,
48.3512

■ 68.3723, 68.6635,
62.8364

■ 75.3899, 77.9880,
79.6985

Harmonies

Analogous

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



46.6649, 24.6776, 12.3493



38.2967, 24.6776, 2.9745



27.1354, 24.6776, 0.9471

Triad

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



38.2967, 24.6776, 2.9745



9.1679, 24.6776, 18.0345



30.4851, 24.6776, 119.4540

Complementary

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



38.2967, 24.6776, 2.9745



27.7832, 30.9602, 84.6318

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.



20.1240, 24.6776, 125.6205



38.2967, 24.6776, 2.9745



9.5929, 24.6776, 49.7915

Square

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



38.2967, 24.6776, 2.9745



11.6552, 24.6776, 4.6225



13.0496, 24.6776, 94.3319



41.3404, 24.6776, 80.8751

Rectangle

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



38.2967, 24.6776, 2.9745



20.4181, 24.6776, 0.9293



13.0496, 24.6776, 94.3319



26.7797, 24.6776, 126.0789

Sweetspot

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



38.2972, 24.6790, 2.9749



71.7149, 68.8567, 53.2539



41.4154, 20.7397, 35.3850



14.7584, 13.9227, 10.0678



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.



38.2972, 24.6790, 2.9749



44.6372, 28.0544, 3.0624



55.3538, 58.7922, 8.6604



15.4849, 15.8928, 15.7702



20.7727, 13.2396, 1.4607



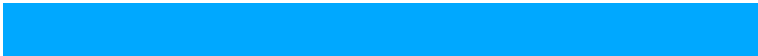
1.7175, 1.2124, 0.1435

Inverse Universe

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



27.7832, 30.9602, 84.6318



32.0778, 35.2756, 99.7259



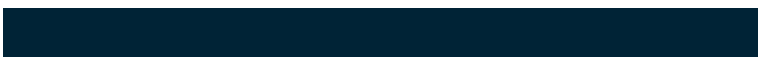
16.3698, 8.1333, 80.8274



15.0606, 16.2076, 19.2568



14.9874, 16.6218, 46.1614



1.2655, 1.4824, 3.6543

Previews

White Background



This preview shows how the XYZ color 38.2967, 24.6776, 2.9745 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 38.2967, 24.6776, 2.9745 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 38.2967, 24.6776, 2.9745

Background



This preview shows how black text looks on a background with the XYZ color 38.2967, 24.6776, 2.9745.



This preview shows how white text looks on a background with the XYZ color 38.2967, 24.6776,

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

38.2967, 24.6776, 2.9745

Protanopia

22.4585, 24.8359, 4.5874

Deuteranopia

24.9959, 24.7359, 3.4571



Tritanopia

40.1050, 24.7439, 11.2566

Trichromacy



Original Color

38.2967, 24.6776, 2.9745

Protanomaly

26.3631, 23.1942, 3.7035

Deuteranomaly

28.7987, 23.7770, 3.1577

Tritanomaly

39.0157, 24.5071, 6.5449

Monochromacy



Original Color

38.2967, 24.6776, 2.9745

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.2637, 19.4239, 10.3603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2967, 24.6776, 2.9745 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, 86, 8)` looks like.

```
.text, #text, p{  
    color:rgb(237, 86, 8)  
}
```

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, 86, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 86, 8) }
```

Border

The CSS property to change the border of an element to XYZ 38.2967, 24.6776, 2.9745 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, 86, 8) }
```


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

```
.border{ border-color:rgb(237, 86, 8) }
```

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

Here you see how a box with a 4 pixel rgb(237, 86, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 86, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 86, 8);  
box-shadow:4px 4px 4px 4px rgb(237, 86, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.2967, 24.6776, 2.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 86, 8) }
```

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

```
.background{ background-color: rgb(237, 86,  
8) }
```

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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