

Converting Colors

XYZ(38.4631, 24.5309, 2.8800)

Have a look what the booklet for
XYZ(38.4631, 24.5309, 2.8800)
contains.

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Color

**XYZ(38.4631, 24.5309,
2.8800)**

Conversions

Conversions Part 1

Format	Color
Hex	EE5406
RGB	238, 84, 6
RGB Percent	93%, 33%, 2%
CMY	0.0667, 0.6705, 0.9765
CMYK	0.00, 0.65, 0.97, 0.07
HSL	20°, 95%, 48%
HSV	20°, 97%, 93%
XYZ	38.4631, 24.5309, 2.8800
YIQ	121.1540, 116.8220, 8.3900

Conversions

Conversions Part 2

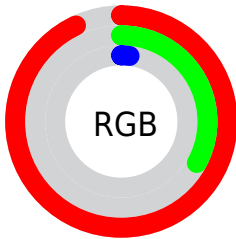
Format	Color
R_{YB}	238, 124, 6
Decimal	15619078
CIE Lab	56.62, 56.83, 65.61
CIE LCh	57, 86.803, 49.099
Yxy	24.5309, 0.5839, 0.3724
Android (android.graphics.Color)	4293809158 (0xFFEE5406)
YUV	121.1540, -56.7709, 102.4739
Hunter-Lab	49.5287, 51.9448, 31.2225

Details

The XYZ color **38.4631, 24.5309, 2.8800** 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 **28.0774, 31.3512, 85.4599**, and the grayscale version is **18.3766, 19.3336, 21.0543**.

A 20% lighter version of the original color is **51.6312, 40.4214, 10.3910**, and **17.4837, 9.3845, 0.8899** is the 20% darker color. If you saturate the color by 10%, you get **38.1301, 23.9179, 2.6069**, and if you desaturate by 10%, it is **40.0302, 27.3472, 4.3839**.

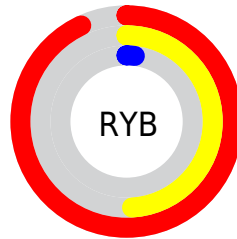
Distribution



Red (93%)

Green (33%)

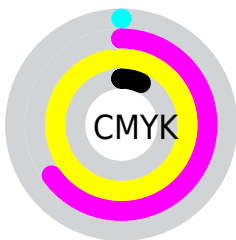
Blue (2%)



Red (93%)

Yellow (49%)

Blue (2%)

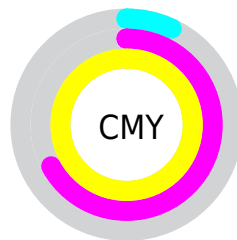


Cyan (0%)

Magenta (65%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (67%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4631, 24.5309, 2.8800 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 38.4631, 24.5309, 2.8800 by changing the saturation by 10% instead.

 38.4631, 24.5309,
2.8800


 38.4631, 24.5309,
2.8800


330.8490,
275.4937, 134.8173


 26.5212, 15.7279,
1.0337


 72.1167, 50.8952,
11.3309


 17.3486, 9.3318,
0.0000


 94.5591, 69.2253,
18.7725


 10.5802, 4.9582,
0.0000


 121.2324, 91.4998,
28.9163

 5.8505, 2.2228,
0.0000

 152.5019,
118.1032, 42.1809

 2.7942, 0.7324,
0.0000

 188.7329,
149.4200, 58.9847


 1.0459, 0.0000,
0.0000


 230.2909,


 0.0000, 0.0000,


185.8343, 79.7464


0.0000


 277.5411,
227.7308, 104.8844


 38.4631, 24.5309,
2.8800


 38.4631, 24.5309,
2.8800


 38.1301, 23.9179,
2.6069

 40.0302, 27.3472,
4.3839

 42.1162, 30.8395,
7.1744

 44.7840, 35.0594,
11.5030

 48.0834, 40.0502,
17.5606

 52.0583, 45.8512,
25.5098

■ 56.7478, 52.4987,
35.4941

■ 62.1881, 60.0266,
47.6431

■ 68.4124, 68.4668,
62.0756

■ 75.4522, 77.8498,
78.9015

Harmonies

Analogous

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



46.8700, 24.5309, 12.3442



38.4631, 24.5309, 2.8800



27.1803, 24.5309, 0.8653

Triad

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



38.4631, 24.5309, 2.8800



8.9840, 24.5309, 17.5208



30.2563, 24.5309, 121.1130

Complementary

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



38.4631, 24.5309, 2.8800



28.0774, 31.3512, 85.4599

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.



19.8363, 24.5309, 126.8317



38.4631, 24.5309, 2.8800



9.3694, 24.5309, 49.3230

Square

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



38.4631, 24.5309, 2.8800



11.5125, 24.5309, 4.3487



12.7813, 24.5309, 94.5497



41.2661, 24.5309, 82.0971

Rectangle

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



38.4631, 24.5309, 2.8800



20.3809, 24.5309, 0.8321



12.7813, 24.5309, 94.5497



26.5199, 24.5309, 127.6911

Sweetspot

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



38.4636, 24.5323, 2.8804



71.6364, 68.6998, 53.2277



41.7286, 20.8689, 35.3935



14.7400, 13.8860, 10.0617



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.



38.4636, 24.5323, 2.8804



44.5471, 27.8742, 3.0324



55.7928, 59.1906, 8.6568



16.2071, 16.6273, 16.5049



21.3796, 13.5573, 1.4900



1.8670, 1.3048, 0.1534

Inverse Universe

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



28.0774, 31.3512, 85.4599



32.2863, 35.6926, 99.7954



16.4335, 8.0635, 81.5786



15.7737, 16.9815, 20.1680



15.5530, 17.3303, 47.6532



1.3852, 1.6244, 3.9948

Previews

White Background



This preview shows how the XYZ color 38.4631, 24.5309, 2.8800 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 38.4631, 24.5309, 2.8800 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 38.4631, 24.5309, 2.8800

Background



This preview shows how black text looks on a background with the XYZ color 38.4631, 24.5309, 2.8800.



This preview shows how white text looks on a background with the XYZ color 38.4631, 24.5309,

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

38.4631, 24.5309, 2.8800

Protanopia

22.2580, 24.7338, 4.5207

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

40.1826, 24.5832, 10.6098

Trichromacy



Original Color

38.4631, 24.5309, 2.8800

Protanomaly

26.3548, 23.1909, 3.6595

Deuteranomaly

28.6810, 23.5504, 3.0915

Tritanomaly

39.1311, 24.3544, 6.1285

Monochromacy



Original Color

38.4631, 24.5309, 2.8800

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.0837, 19.1822, 9.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4631, 24.5309, 2.8800 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(238, 84, 6)` looks like.

```
.text, #text, p{  
    color:rgb(238, 84, 6)  
}
```

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(238, 84, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 84, 6) }
```

Border

The CSS property to change the border of an element to XYZ 38.4631, 24.5309, 2.8800 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(238, 84, 6) }
```


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

```
.border{ border-color:rgb(238, 84, 6) }
```

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

Here you see how a box with a 4 pixel rgb(238, 84, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 84, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 84, 6);  
box-shadow:4px 4px 4px 4px rgb(238, 84, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.4631, 24.5309, 2.8800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 84, 6) }
```

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

```
.background{ background-color: rgb(238, 84,  
6) }
```

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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