

Converting Colors

XYZ(38.8081, 23.2576, 2.4437)

Have a look what the booklet for
XYZ(38.8081, 23.2576, 2.4437)
contains.

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Color

**XYZ(38.8081, 23.2576,
2.4437)**

Conversions

Conversions Part 1

Format	Color
Hex	F24600
RGB	242, 70, 0
RGB Percent	95%, 27%, 0%
CMY	0.0510, 0.7254, 1.0000
CMYK	0.00, 0.71, 1.00, 0.05
HSL	17°, 100%, 47%
HSV	17°, 100%, 95%
XYZ	38.8081, 23.2576, 2.4437
YIQ	113.4480, 124.9820, 14.6940

Conversions

Conversions Part 2

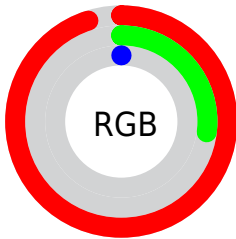
Format	Color
R_{YB}	242, 98, 0
Decimal	15877632
CIE Lab	55.34, 63.45, 66.58
CIE LCh	55, 91.971, 46.379
Yxy	23.2576, 0.6016, 0.3605
Android (android.graphics.Color)	4294067712 (0xFFFF24600)
YUV	113.4480, -55.9299, 112.7401
Hunter-Lab	48.2261, 59.2452, 30.7540

Details

The XYZ color **38.8081, 23.2576, 2.4437** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **30.7771, 35.9112, 89.3131**, and the grayscale version is **15.9663, 16.7978, 18.2928**.

A 20% lighter version of the original color is **49.8287, 37.0461, 9.0818**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **38.8085, 23.2588, 2.4440**, and if you desaturate by 10%, it is **40.2099, 25.7946, 3.7347**.

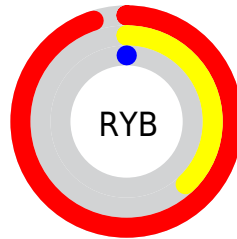
Distribution



Red (95%)

Green (27%)

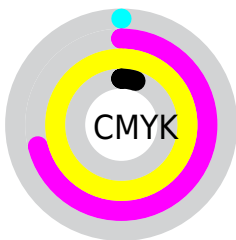
Blue (0%)



Red (95%)

Yellow (38%)

Blue (0%)

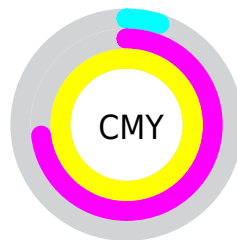


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (73%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8081, 23.2576, 2.4437 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 38.8081, 23.2576, 2.4437 by changing the saturation by 10% instead.


 38.8081, 23.2576,
2.4437


 38.8081, 23.2576,
2.4437


332.2952,
269.0453, 128.9253


 26.7905, 14.7838,
0.8101


 72.6410, 48.8160,
10.2218

 17.5517, 8.6678,
0.0000


 95.1871, 66.6693,
17.2114

 10.7264, 4.5252,
0.0000


 121.9733, 88.4181,
26.8261

 5.9491, 1.9714,
0.0000

 153.3652,
114.4465, 39.4845

 2.8545, 0.5908,
0.0000

 189.7279,
145.1390, 55.6050

 1.0773, 0.0000,
0.0000

 231.4269,


 0.0060, 0.0000,


180.8801, 75.6063


0.0000


 278.8275,
222.0541, 99.9069


 0.0000, 0.0000,
0.0000


 38.8081, 23.2576,
2.4437


 38.8081, 23.2576,
2.4437


 38.8085, 23.2588,
2.4440

 40.2099, 25.7946,
3.7347

 42.1512, 29.0772,
6.2308

 44.7187, 33.1761,
10.2810

 47.9708, 38.1461,
16.0953

 51.9585, 44.0367,
23.8510

■ 56.7270, 50.8936,
33.7031

■ 62.3179, 58.7589,
45.7909

■ 68.7696, 67.6725,
60.2418

■ 76.1180, 77.6718,
77.1734

Harmonies

Analogous

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



47.1201, 23.2576, 12.4447



38.8081, 23.2576, 2.4437



27.1137, 23.2576, 0.4211

Triad

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



38.8081, 23.2576, 2.4437



7.8887, 23.2576, 14.1629



28.1842, 23.2576, 128.2787

Complementary

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



38.8081, 23.2576, 2.4437



30.7771, 35.9112, 89.3131

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.



17.7557, 23.2576, 130.3774



38.8081, 23.2576, 2.4437



8.0136, 23.2576, 44.9582

Square

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



38.8081, 23.2576, 2.4437



10.6310, 23.2576, 2.8734



11.0508, 23.2576, 92.7268



39.7989, 23.2576, 88.2091

Rectangle

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



38.8081, 23.2576, 2.4437



19.9742, 23.2576, 0.2801



11.0508, 23.2576, 92.7268



24.3836, 23.2576, 134.1280

Sweetspot

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



38.8086, 23.2590, 2.4440



70.1271, 66.0963, 51.4449



44.2025, 21.9110, 41.6548



14.4162, 13.3163, 9.7136



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.



38.8086, 23.2590, 2.4440



43.6736, 26.1273, 2.7412



54.9373, 55.5164, 7.8203



16.1453, 16.5037, 16.4843



20.9499, 12.6979, 1.3467



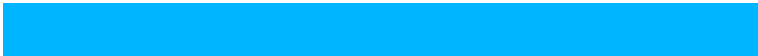
1.8252, 1.2211, 0.1395

Inverse Universe

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



30.7771, 35.9112, 89.3131



34.6201, 40.3602, 100.5734



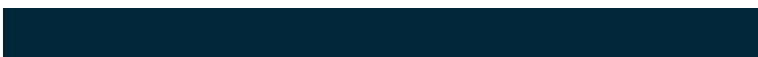
17.2744, 8.9057, 84.8122



15.8386, 17.1113, 20.1896



16.6569, 19.5381, 48.0212



1.4707, 1.7953, 4.0232

Previews

White Background



This preview shows how the XYZ color 38.8081, 23.2576, 2.4437 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 38.8081, 23.2576, 2.4437 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 38.8081, 23.2576, 2.4437

Background



This preview shows how black text looks on a background with the XYZ color 38.8081, 23.2576, 2.4437.



This preview shows how white text looks on a background with the XYZ color 38.8081, 23.2576,

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

38.8081, 23.2576, 2.4437

Protanopia

21.1630, 23.3382, 4.4262

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

39.8958, 23.2526, 7.8543

Trichromacy



Original Color

38.8081, 23.2576, 2.4437

Protanomaly

25.2055, 21.2596, 3.3054

Deuteranomaly

27.6597, 21.9102, 2.7713

Tritanomaly

39.4053, 23.2434, 4.6950

Monochromacy



Original Color

38.8081, 23.2576, 2.4437

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

19.9416, 16.4909, 8.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8081, 23.2576, 2.4437 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(242, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 70, 0)  
}
```

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(242, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 70, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.8081, 23.2576, 2.4437 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(242, 70, 0) }
```


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

```
.border{ border-color:rgb(242, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.8081, 23.2576, 2.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 70, 0) }
```

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

```
.background{ background-color: rgb(242, 70,  
0) }
```

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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