

Converting Colors

XYZ(38.3861, 23.4240, 2.4981)

Have a look what the booklet for
XYZ(38.3861, 23.4240, 2.4981)
contains.

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Color

**XYZ(38.3840, 23.4228,
2.4980)**

Conversions

Conversions Part 1

Format	Color
Hex	F04A00
RGB	240, 74, 0
RGB Percent	94%, 29%, 0%
CMY	0.0588, 0.7098, 1.0000
CMYK	0.00, 0.69, 1.00, 0.06
HSL	19°, 100%, 47%
HSV	19°, 100%, 94%
XYZ	38.3840, 23.4228, 2.4980
YIQ	115.1980, 122.6900, 12.1780

Conversions

Conversions Part 2

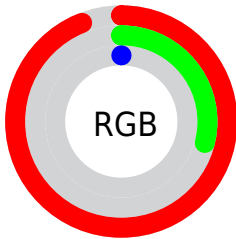
Format	Color
R _Y B	240, 107, 0
Decimal	15747584
CIE Lab	55.51, 61.37, 66.46
CIE LCh	56, 90.456, 47.280
Yxy	23.4228, 0.5969, 0.3642
Android (android.graphics.Color)	4293937664 (0xFFFF04A00)
YUV	115.1980, -56.7926, 109.4514
Hunter-Lab	48.3971, 56.8743, 30.8177

Details

The XYZ color **38.3840, 23.4228, 2.4980** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **29.3629, 33.5609, 87.3679**, and the grayscale version is **16.4983, 17.3575, 18.9023**.

A 20% lighter version of the original color is **50.2535, 37.8515, 9.3600**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **38.3843, 23.4238, 2.4982**, and if you desaturate by 10%, it is **39.8077, 26.0068, 3.7861**.

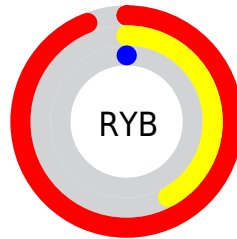
Distribution



Red (94%)

Green (29%)

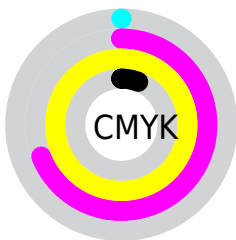
Blue (0%)



Red (94%)

Yellow (42%)

Blue (0%)

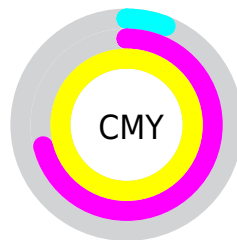


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3840, 23.4228, 2.4980 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 38.3840, 23.4228, 2.4980 by changing the saturation by 10% instead.


 38.3840, 23.4228,
2.4980


 38.3840, 23.4228,
2.4980


330.5168,
269.8892, 129.6850


 26.4594, 14.9060,
0.8391


 71.9964, 49.0866,
10.3623


 17.3021, 8.7534,
0.0000


 94.4150, 67.0025,
17.4102

 10.5468, 4.5807,
0.0000


 121.0623, 88.8201,
27.0932

 5.8280, 2.0034,
0.0000

 152.3036,
114.9240, 39.8300

 2.7804, 0.6095,
0.0000

 188.5044,
145.6984, 56.0390


 1.0387, 0.0000,
0.0000


 230.0300,


 0.0000, 0.0000,


181.5278, 76.1388


0.0000


 277.2456,
222.7966, 100.5479


 38.3840, 23.4228,
2.4980


 38.3840, 23.4228,
2.4980


 38.3843, 23.4238,
2.4982

 39.8077, 26.0068,
3.7861

 41.7481, 29.2977,
6.2514

 44.2884, 33.3604,
10.2365

 47.4842, 38.2452,
15.9466

 51.3834, 43.9975,
23.5547

■ 56.0293, 50.6589,
33.2121

■ 61.4610, 58.2681,
45.0551

■ 67.7151, 66.8618,
59.2079

■ 74.8256, 76.4742,
75.7854

Harmonies

Analogous

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



46.7143, 23.4228, 12.1989



38.3840, 23.4228, 2.4980



26.8637, 23.4228, 0.5218

Triad

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



38.3840, 23.4228, 2.4980



8.0939, 23.4228, 15.0320



28.6072, 23.4228, 125.4305

Complementary

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



38.3840, 23.4228, 2.4980



29.3629, 33.5609, 87.3679

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.



18.2195, 23.4228, 128.8030



38.3840, 23.4228, 2.4980



8.3012, 23.4228, 46.0760

Square

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



38.3840, 23.4228, 2.4980



10.7440, 23.4228, 3.2309



11.4367, 23.4228, 92.9710



39.9913, 23.4228, 85.6901

Rectangle

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



38.3840, 23.4228, 2.4980



19.8702, 23.4228, 0.4175



11.4367, 23.4228, 92.9710



24.8399, 23.4228, 131.5460

Sweetspot

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



38.3845, 23.4242, 2.4984



70.4679, 66.7779, 51.5585



43.0029, 21.3524, 38.9011



14.4953, 13.4746, 9.7399



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.



38.3845, 23.4242, 2.4984



44.0097, 26.7993, 2.8532



54.7847, 56.2246, 7.9651



16.1704, 16.5538, 16.4927



21.1157, 13.0295, 1.4020



1.8416, 1.2539, 0.1450

Inverse Universe

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



29.3629, 33.5609, 87.3679



33.6472, 38.4144, 100.2491



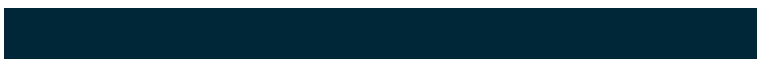
16.7852, 8.4054, 83.1753



15.8122, 17.0585, 20.1808



16.1971, 18.6184, 47.8679



1.4352, 1.7245, 4.0114

Previews

White Background



This preview shows how the XYZ color 38.3840, 23.4228, 2.4980 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 38.3840, 23.4228, 2.4980 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 38.3840, 23.4228, 2.4980

Background



This preview shows how black text looks on a background with the XYZ color 38.3840, 23.4228, 2.4980.



This preview shows how white text looks on a background with the XYZ color 38.3840, 23.4228,

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

38.3840, 23.4228, 2.4980

Protanopia

21.2892, 23.6088, 4.4122

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

39.5734, 23.4249, 8.5666

Trichromacy



Original Color

38.3840, 23.4228, 2.4980

Protanomaly

25.4238, 21.6961, 3.3781

Deuteranomaly

27.6107, 22.1945, 2.8287

Tritanomaly

39.0220, 23.4045, 5.0456

Monochromacy



Original Color

38.3840, 23.4228, 2.4980

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

20.2570, 17.0690, 8.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3840, 23.4228, 2.4980 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(240, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 74, 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(240, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.3840, 23.4228, 2.4980 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(240, 74, 0) }
```


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

```
.border{ border-color:rgb(240, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.3840, 23.4228, 2.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 74, 0) }
```

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

```
.background{ background-color: rgb(240, 74,  
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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