

# Converting Colors

XYZ(38.9124, 24.7515, 0.3855)

Have a look what the booklet for  
XYZ(38.9124, 24.7515, 0.3855)  
contains.

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# Color

**XYZ(39.3689, 24.8873,  
2.7288)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F15300
RGB	241, 83, 0
RGB Percent	95%, 33%, 0%
CMY	0.0549, 0.6745, 1.0000
CMYK	0.00, 0.66, 1.00, 0.05
HSL	21°, 100%, 47%
HSV	21°, 100%, 95%
XYZ	39.3689, 24.8873, 2.7288
YIQ	120.7800, 120.8110, 7.6830

# Conversions

## Conversions Part 2

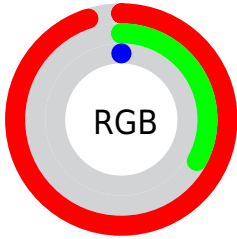
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 127, 0
Decimal	15815424
CIE Lab	56.97, 58.21, 67.27
CIE LCh	57, 88.960, 49.133
Yxy	24.8873, 0.5877, 0.3715
Android (android.graphics.Color)	4294005504 (0xFFFF15300)
YUV	120.7800, -59.5445, 105.4329
Hunter-Lab	49.8872, 53.5623, 31.6779

# Details

The XYZ color **39.3689, 24.8873, 2.7288** 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 **28.1030, 30.8027, 87.6827**, and the grayscale version is **18.2632, 19.2143, 20.9244**.

A 20% lighter version of the original color is **51.3980, 40.0954, 9.8807**, and **18.0898, 9.6007, 0.8997** is the 20% darker color. If you saturate the color by 10%, you get **39.3691, 24.8882, 2.7289**, and if you desaturate by 10%, it is **40.8851, 27.6547, 4.0529**.

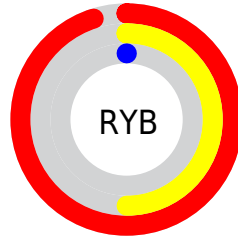
# Distribution



Red (95%)

Green (33%)

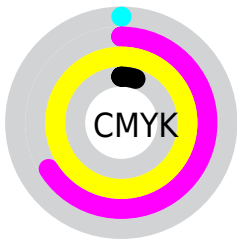
Blue (0%)



Red (95%)

Yellow (50%)

Blue (0%)

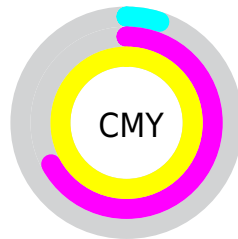


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (67%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3689, 24.8873, 2.7288 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 39.3689, 24.8873, 2.7288 by changing the saturation by 10% instead.





 39.3689, 24.8873,  
2.7288


 39.3689, 24.8873,  
2.7288


334.6366,  
277.2762, 132.8278

 27.2288, 15.9931,  
0.9579


 73.4920, 51.4743,  
10.9516


 17.8826, 9.5193,  
0.0000


 96.2058, 69.9360,  
18.2405


 10.9649, 5.0814,  
0.0000


 123.1748, 92.3555,  
28.2059

 6.1104, 2.2951,  
0.0000

 154.7645,  
119.1174, 41.2662

 2.9536, 0.7711,  
0.0000

 191.3401,  
150.6061, 57.8400


 1.1293, 0.0000,  
0.0000

 233.2671,


 0.0494, 0.0000,


187.2058, 78.3458


0.0000


 280.9108,  
229.3011, 103.2023


 0.0000, 0.0000,  
0.0000


 39.3689, 24.8873,  
2.7288


 39.3689, 24.8873,  
2.7288


 39.3691, 24.8882,  
2.7289

 40.8851, 27.6547,  
4.0529

 42.8993, 31.0882,  
6.5582

 45.4921, 35.2466,  
10.5889

 48.7163, 40.1745,  
16.3513

 52.6178, 45.9121,  
24.0192

■ 57.2376, 52.4965,  
33.7449

■ 62.6132, 59.9622,  
45.6650

■ 68.7791, 68.3419,  
59.9045

■ 75.7677, 77.6661,  
76.5786

# Harmonies

## Analogous

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



48.1375, 24.8873, 12.2860



39.3689, 24.8873, 2.7288



27.6444, 24.8873, 0.7587

# Triad

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



39.3689, 24.8873, 2.7288



8.9108, 24.8873, 17.6407



30.8624, 24.8873, 125.7728

# Complementary

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



39.3689, 24.8873, 2.7288



28.1030, 30.8027, 87.6827

# 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.



20.0685, 24.8873, 131.8349



39.3689, 24.8873, 2.7288



9.3072, 24.8873, 50.6441

# Square

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



39.3689, 24.8873, 2.7288



11.4906, 24.8873, 4.2036



12.8018, 24.8873, 97.9622



42.3125, 24.8873, 84.7992



# Rectangle

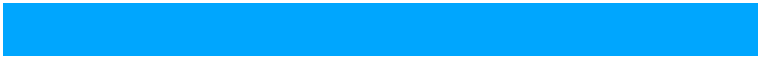
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.3689, 24.8873, 2.7288



20.6095, 24.8873, 0.7260



12.8018, 24.8873, 97.9622



26.9858, 24.8873, 132.7043

# Sweetspot

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



39.3694, 24.8888, 2.7292



71.1213, 68.0848, 51.7763



42.6792, 21.2623, 35.4195



14.6475, 13.7788, 9.7906



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.



39.3694, 24.8888, 2.7292



44.7157, 28.2114, 3.0886



57.1232, 60.3964, 8.6471



16.2179, 16.6490, 16.5085



21.4621, 13.7223, 1.5175



1.8748, 1.3204, 0.1560

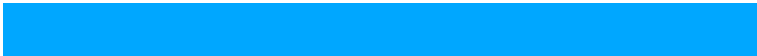


# Inverse Universe

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



28.1030, 30.8027, 87.6827



31.9001, 34.9201, 99.6667



16.6417, 7.8800, 83.8623



15.7624, 16.9589, 20.1642



15.3701, 16.9644, 47.5922



1.3709, 1.5958, 3.9900



# Previews

## White Background



This preview shows how the XYZ color 39.3689, 24.8873, 2.7288 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 39.3689, 24.8873, 2.7288 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 39.3689, 24.8873, 2.7288**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3689, 24.8873, 2.7288.



This preview shows how white text looks on a background with the XYZ color 39.3689, 24.8873,

2.7288.

# 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

39.3689, 24.8873, 2.7288

### Protanopia

22.5904, 25.1172, 4.5772

### Deuteranopia

25.2162, 24.8495, 3.4674



## Tritanopia

41.1012, 24.9565, 10.4354

# Trichromacy



## Original Color

39.3689, 24.8873, 2.7288

## Protanomaly

26.8217, 23.4334, 3.5997

## Deuteranomaly

29.1938, 23.8160, 3.0583

## Tritanomaly

40.0338, 24.7171, 5.9097

# Monochromacy



## Original Color

39.3689, 24.8873, 2.7288

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

22.1143, 19.0505, 9.5328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3689, 24.8873, 2.7288 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(241, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 83, 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(241, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 83, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3689, 24.8873, 2.7288 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(241, 83, 0) }
```



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

```
.border{ border-color:rgb(241, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 83, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.3689, 24.8873, 2.7288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 83, 0) }
```

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

```
.background{ background-color: rgb(241, 83,  
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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