

# Converting Colors

XYZ(39.1837, 25.0223, 2.7646)

Have a look what the booklet for  
XYZ(39.1837, 25.0223, 2.7646)  
contains.

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# Color

**XYZ(39.1837, 25.0223,  
2.7646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F05500
RGB	240, 85, 0
RGB Percent	94%, 33%, 0%
CMY	0.0588, 0.6666, 1.0000
CMYK	0.00, 0.65, 1.00, 0.06
HSL	21°, 100%, 47%
HSV	21°, 100%, 94%
XYZ	39.1837, 25.0223, 2.7646
YIQ	121.6550, 119.6650, 6.4250

# Conversions

## Conversions Part 2

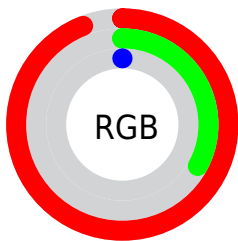
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 132, 0
Decimal	15750400
CIE Lab	57.10, 57.05, 67.25
CIE LCh	57, 88.189, 49.688
Yxy	25.0223, 0.5851, 0.3736
Android (android.graphics.Color)	4293940480 (0xFFFF05500)
YUV	121.6550, -59.9759, 103.7886
Hunter-Lab	50.0223, 52.2844, 31.7388

# Details

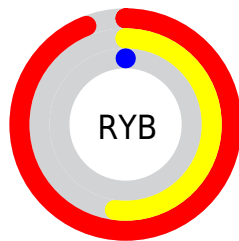
The XYZ color **39.1837, 25.0223, 2.7646** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **27.4485, 29.7320, 86.7295**, and the grayscale version is **18.5495, 19.5156, 21.2525**.

A 20% lighter version of the original color is **51.6903, 40.6799, 9.9781**, and **17.9474, 9.6503, 0.9168** is the 20% darker color. If you saturate the color by 10%, you get **39.1839, 25.0232, 2.7647**, and if you desaturate by 10%, it is **40.7060, 27.8035, 4.0856**.

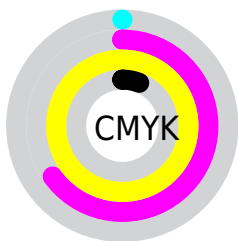
# Distribution



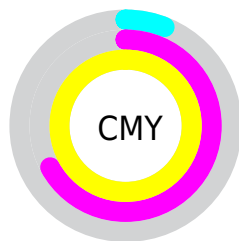
- Red (94%)
- Green (33%)
- Blue (0%)



- Red (94%)
- Yellow (52%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (6%)




- Cyan (6%)
- Magenta (67%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1837, 25.0223, 2.7646 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 39.1837, 25.0223, 2.7646 by changing the saturation by 10% instead.




 39.1837, 25.0223,  
2.7646


 39.1837, 25.0223,  
2.7646

333.8646,  
277.9490, 133.3036

 27.0840, 16.0937,  
0.9757


 73.2111, 51.6934,  
11.0418

 17.7733, 9.5905,  
0.0000


 95.8696, 70.2047,  
18.3673

 10.8860, 5.1283,  
0.0000


 122.7784, 92.6789,  
28.3753

 6.0570, 2.3227,  
0.0000

 154.3029,  
119.5006, 41.4845

 2.9207, 0.7857,  
0.0000

 190.8084,  
151.0540, 58.1134


 1.1120, 0.0000,  
0.0000

 232.6603,


 0.0351, 0.0000,


187.7236, 78.6805


0.0000


 280.2239,  
229.8938, 103.6044


 0.0000, 0.0000,  
0.0000


 39.1837, 25.0223,  
2.7646

 39.1837, 25.0223,  
2.7646


 39.1839, 25.0232,  
2.7647

 40.7060, 27.8035,  
4.0856

 42.7149, 31.2314,  
6.5738

 45.2895, 35.3625,  
10.5704

 48.4813, 40.2394,  
16.2793

 52.3351, 45.9008,  
23.8723

■ 56.8908, 52.3820,  
33.4998

■ 62.1850, 59.7160,  
45.2970

■ 68.2513, 67.9341,  
59.3873

■ 75.1213, 77.0655,  
75.8847

# Harmonies

## Analogous

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



47.9765, 25.0223, 12.1623



39.1837, 25.0223, 2.7646



27.5401, 25.0223, 0.8165

# Triad

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



39.1837, 25.0223, 2.7646



9.0490, 25.0223, 18.2354



31.1651, 25.0223, 124.3660

# Complementary

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



39.1837, 25.0223, 2.7646



27.4485, 29.7320, 86.7295

# 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.



20.3841, 25.0223, 131.1431



39.1837, 25.0223, 2.7646



9.4999, 25.0223, 51.4122

# Square

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



39.1837, 25.0223, 2.7646



11.5738, 25.0223, 4.4664



13.0613, 25.0223, 98.2658



42.4923, 25.0223, 83.5255



# Rectangle

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



39.1837, 25.0223, 2.7646



20.5782, 25.0223, 0.8049



13.0613, 25.0223, 98.2658



27.3042, 25.0223, 131.4522

# Sweetspot

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



39.1842, 25.0238, 2.7650



71.3004, 68.4428, 51.8360



41.9358, 20.9256, 33.2819



14.6892, 13.8624, 9.8046



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.



39.1842, 25.0238, 2.7650



44.9232, 28.6265, 3.1577



57.5278, 61.7109, 8.8795



16.2309, 16.6748, 16.5128



21.5635, 13.9251, 1.5513



1.8844, 1.3394, 0.1592



# Inverse Universe

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



27.4485, 29.7320, 86.7295



31.4474, 34.0149, 99.5158



16.3591, 7.5533, 83.0331



15.7489, 16.9320, 20.1598



15.1555, 16.5353, 47.5207



1.3541, 1.5622, 3.9844



# Previews

## White Background



This preview shows how the XYZ color 39.1837, 25.0223, 2.7646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

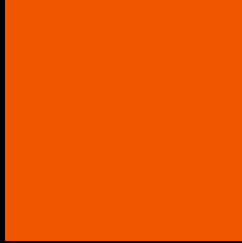
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1837, 25.0223, 2.7646 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 39.1837, 25.0223, 2.7646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1837, 25.0223, 2.7646.



This preview shows how white text looks on a background with the XYZ color 39.1837, 25.0223,

2.7646.

# 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

39.1837, 25.0223, 2.7646

### Protanopia

22.7815, 25.2157, 4.5861

### Deuteranopia

25.5719, 25.2313, 3.5223



## Tritanopia

40.9753, 25.0937, 10.8676

# Trichromacy



## Original Color

39.1837, 25.0223, 2.7646

## Protanomaly

26.9401, 23.6702, 3.6391

## Deuteranomaly

29.3060, 24.0404, 3.0957

## Tritanomaly

39.8607, 24.8427, 6.0624

# Monochromacy



## Original Color

39.1837, 25.0223, 2.7646

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

22.3608, 19.4867, 9.7905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1837, 25.0223, 2.7646 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, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 85, 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, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 85, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1837, 25.0223, 2.7646 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, 85, 0) }
```



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

```
.border{ border-color:rgb(240, 85, 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, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 85, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 39.1837, 25.0223, 2.7646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 85, 0) }
```

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

```
.background{ background-color: rgb(240, 85,  
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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