

# Converting Colors

XYZ(43.6059, 25.8414, 3.1827)

Have a look what the booklet for  
XYZ(43.6059, 25.8414, 3.1827)  
contains.

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# Color

**XYZ(43.5868, 25.8039,  
3.1736)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FF4710                      |
| RGB         | 255, 71, 16                 |
| RGB Percent | 100%, 28%, 6%               |
| CMY         | 0.0000, 0.7215, 0.9372      |
| CMYK        | 0.00, 0.72, 0.94, 0.00      |
| HSL         | 14°, 100%, 53%              |
| HSV         | 14°, 94%, 100%              |
| XYZ         | 43.5868, 25.8039, 3.1736    |
| YIQ         | 119.7460, 127.3190, 21.9030 |

# Conversions

## Conversions Part 2

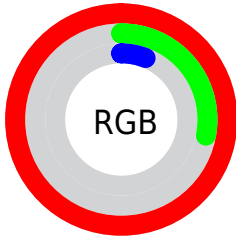
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 87, 16                     |
| Decimal                             | 16729872                        |
| CIE <sub>Lab</sub>                  | 57.85, 67.25, 65.78             |
| CIE <sub>LCh</sub>                  | 58, 94.074, 44.364              |
| Yxy                                 | 25.8039, 0.6007,<br>0.3556      |
| Android<br>(android.graphics.Color) | 4294919952<br>(0xFFFF4710)      |
| YUV                                 | 119.7460, -51.1468,<br>118.6178 |
| Hunter-Lab                          | 50.7975, 64.2661,<br>31.8541    |

# Details

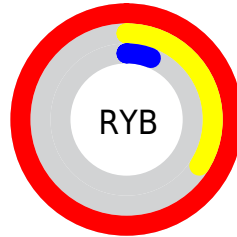
The XYZ color **43.5868, 25.8039, 3.1736** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **38.9153, 48.6335, 101.9432**, and the grayscale version is **17.9029, 18.8353, 20.5116**.

A 20% lighter version of the original color is **50.3600, 37.6802, 10.5800**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.7880, 24.3564, 2.4461**, and if you desaturate by 10%, it is **45.3595, 28.8449, 5.3211**.

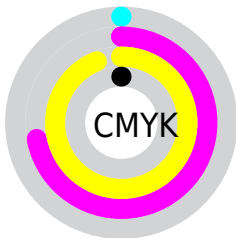
# Distribution



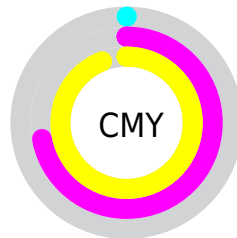
- Red (100%)
- Green (28%)
- Blue (6%)



- Red (100%)
- Yellow (34%)
- Blue (6%)



- Cyan (0%)
- Magenta (72%)
- Yellow (94%)
- Black (0%)




- Cyan (0%)
- Magenta (72%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5868, 25.8039, 3.1736 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 43.5868, 25.8039, 3.1736 by changing the saturation by 10% instead.




 43.5868, 25.8039,  
3.1736


 43.5868, 25.8039,  
3.1736


351.9002,  
281.8181, 138.5419


 30.5423, 16.6770,  
1.1839


 79.8458, 52.9584,  
12.0539


 20.4007, 10.0045,  
0.0000


 103.7911, 71.7548,  
19.7816

 12.7966, 5.4019,  
0.0000


 132.1006, 94.5432,  
30.2591

 7.3647, 2.4850,  
0.0000

 165.1398,  
121.7079, 43.9049

 3.7395, 0.8691,  
0.0000

 203.2740,  
153.6333, 61.1375


 1.5559, 0.0000,  
0.0000

 246.8686,


 0.3634, 0.0000,


190.7039, 82.3755


0.0000


 296.2888,  
233.3041, 108.0374


 0.0000, 0.0000,  
0.0000


 43.5868, 25.8039,  
3.1736


 43.5868, 25.8039,  
3.1736


 42.7880, 24.3564,  
2.4461

 45.3595, 28.8449,  
5.3211

 47.8585, 32.8763,  
9.1340

 51.1636, 37.9814,  
14.8754

 55.3423, 44.2327,  
22.7613

 60.4547, 51.6961,  
32.9788

■ 66.5553, 60.4323,  
45.6942

■ 73.6941, 70.4979,  
61.0588

■ 81.9176, 81.9459,  
79.2115

■ 91.2696, 94.8265,  
100.2818

# Harmonies

## Analogous

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



52.1967, 25.8039, 15.3052



43.5868, 25.8039, 3.1736



30.8655, 25.8039, 0.6397

# Triad

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



43.5868, 25.8039, 3.1736



8.9800, 25.8039, 14.4323



30.3256, 25.8039, 141.9038

# Complementary

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



43.5868, 25.8039, 3.1736



38.9153, 48.6335, 101.9432

# 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.



19.1197, 25.8039, 140.8538



43.5868, 25.8039, 3.1736



8.9163, 25.8039, 46.5506

# Square

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



43.5868, 25.8039, 3.1736



12.2470, 25.8039, 2.9508



12.0336, 25.8039, 98.0083



43.0883, 25.8039, 100.2724



# Rectangle

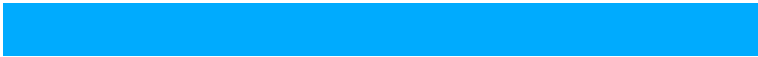
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.5868, 25.8039, 3.1736



22.9080, 25.8039, 0.4153



12.0336, 25.8039, 98.0083



26.2181, 25.8039, 147.1670

# Sweetspot

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



43.5873, 25.8055, 3.1740



70.5121, 66.0284, 54.1562



52.2304, 25.9527, 58.8919



14.4473, 13.2212, 10.2088



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.



43.5873, 25.8055, 3.1740



42.7883, 24.3566, 2.4461



59.1638, 56.9584, 8.3661



18.3486, 18.6653, 18.7800



22.4502, 12.9117, 1.3089



2.2644, 1.4141, 0.1536

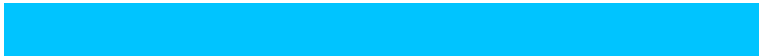


# Inverse Universe

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



38.9153, 48.6335, 101.9432



37.8590, 46.8380, 101.6530



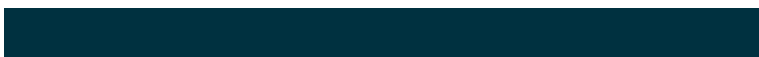
21.4121, 13.6272, 96.1088



18.1795, 19.7307, 23.1002



19.9010, 24.7115, 53.1555



2.0198, 2.5704, 5.2029



# Previews

## White Background



This preview shows how the XYZ color 43.5868, 25.8039, 3.1736 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 43.5868, 25.8039, 3.1736 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 43.5868, 25.8039, 3.1736**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5868, 25.8039, 3.1736.



This preview shows how white text looks on a background with the XYZ color 43.5868, 25.8039,



# 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

43.5868, 25.8039, 3.1736

### Protanopia

23.5714, 26.0398, 5.2972

### Deuteranopia

26.1558, 25.7326, 3.5883



## Tritanopia

44.4126, 25.8364, 8.4405

# Trichromacy



## Original Color

43.5868, 25.8039, 3.1736

## Protanomaly

28.3209, 23.6781, 4.1146

## Deuteranomaly

30.7856, 24.1441, 3.2100

## Tritanomaly

43.9438, 25.7465, 5.6711

# Monochromacy



## Original Color

43.5868, 25.8039, 3.1736

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

22.6365, 18.5470, 10.3695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5868, 25.8039, 3.1736 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(255, 71, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 16)  
}
```

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(255, 71, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 16) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5868, 25.8039, 3.1736 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(255, 71, 16) }
```



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

```
.border{ border-color:rgb(255, 71, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
16) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5868, 25.8039, 3.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 16) }
```

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

```
.background{ background-color: rgb(255, 71,  
16) }
```

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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