

# Converting Colors

XYZ(43.2594, 25.1574, 3.0391)

Have a look what the booklet for  
XYZ(43.2594, 25.1574, 3.0391)  
contains.

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# Color

**XYZ(43.2744, 25.1909,  
3.0335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF420F
RGB	255, 66, 15
RGB Percent	100%, 26%, 6%
CMY	0.0000, 0.7411, 0.9412
CMYK	0.00, 0.74, 0.94, 0.00
HSL	13°, 100%, 53%
HSV	13°, 94%, 100%
XYZ	43.2744, 25.1909, 3.0335
YIQ	116.6970, 129.0150, 24.2070

# Conversions

## Conversions Part 2

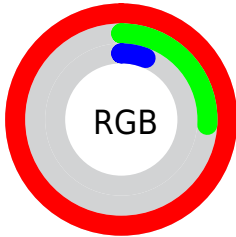
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 80, 15
Decimal	16728591
CIE Lab	57.26, 68.87, 65.68
CIE LCh	57, 95.170, 43.642
Yxy	25.1909, 0.6052, 0.3523
Android (android.graphics.Color)	4294918671 (0xFFFF420F)
YUV	116.6970, -50.1366, 121.2917
Hunter-Lab	50.1905, 66.0697, 31.5499

# Details

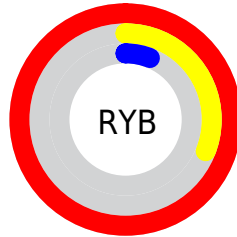
The XYZ color **43.2744, 25.1909, 3.0335** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **39.8370, 50.5017, 102.2550**, and the grayscale version is **16.9389, 17.8210, 19.4071**.

A 20% lighter version of the original color is **49.9349, 36.8809, 10.2812**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.5681, 23.9168, 2.3728**, and if you desaturate by 10%, it is **44.9666, 28.0871, 5.1041**.

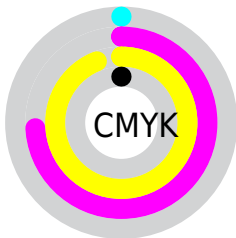
# Distribution



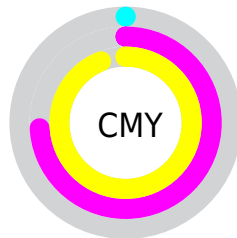
- Red (100%)
- Green (26%)
- Blue (6%)



- Red (100%)
- Yellow (31%)
- Blue (6%)



- Cyan (0%)
- Magenta (74%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2744, 25.1909, 3.0335 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 43.2744, 25.1909, 3.0335 by changing the saturation by 10% instead.





 43.2744, 25.1909,  
3.0335


 43.2744, 25.1909,  
3.0335


350.6414,  
278.7873, 136.7862


 30.2959, 16.2193,  
1.1118


 79.3779, 51.9667,  
11.7110

 20.2125, 9.6795,  
0.0000


 103.2337, 70.5398,  
19.3038


 12.6588, 5.1870,  
0.0000


 131.4459, 93.0822,  
29.6241

 7.2694, 2.3574,  
0.0000

 164.3799,  
119.9783, 43.0904

 3.6790, 0.8038,  
0.0000

 202.4011,  
151.6124, 60.1212


 1.5222, 0.0000,  
0.0000

 245.8749,


 0.3408, 0.0000,


188.3690, 81.1350


0.0000


 295.1665,  
230.6325, 106.5505


 0.0000, 0.0000,  
0.0000


 43.2744, 25.1909,  
3.0335


 43.2744, 25.1909,  
3.0335


 42.5681, 23.9168,  
2.3728

 44.9666, 28.0871,  
5.1041

 47.3951, 31.9973,  
8.8329

 50.6432, 37.0107,  
14.4864

 54.7812, 43.2052,  
22.2829

 59.8716, 50.6512,  
32.4109

65.9710, 59.4135,  
45.0383

73.1313, 69.5521,  
60.3173

81.4007, 81.1235,  
78.3881

90.8247, 94.1809,  
99.3807

# Harmonies

## Analogous

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



51.7435, 25.1909, 15.2507



43.2744, 25.1909, 3.0335



30.5724, 25.1909, 0.5179

# Triad

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



43.2744, 25.1909, 3.0335



8.5992, 25.1909, 13.4105



29.4204, 25.1909, 142.5595

# Complementary

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



43.2744, 25.1909, 3.0335



39.8370, 50.5017, 102.2550

# 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.



18.3491, 25.1909, 140.2892



43.2744, 25.1909, 3.0335



8.4657, 25.1909, 44.8034

# Square

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



43.2744, 25.1909, 3.0335



11.8949, 25.1909, 2.5794



11.4455, 25.1909, 96.3228



42.2066, 25.1909, 101.2046



# Rectangle

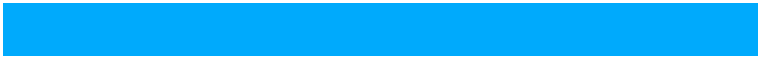
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.2744, 25.1909, 3.0335



22.5943, 25.1909, 0.2620



11.4455, 25.1909, 96.3228



25.3447, 25.1909, 147.4875

# Sweetspot

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



43.2749, 25.1924, 3.0339



70.2218, 65.4478, 54.0595



52.6730, 26.1066, 61.2943



14.3796, 13.0857, 10.1863



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.



43.2749, 25.1924, 3.0339



42.5685, 23.9170, 2.3728



58.2594, 55.1615, 8.0287



18.3222, 18.6126, 18.7712



22.3297, 12.6706, 1.2688



2.2492, 1.3837, 0.1485

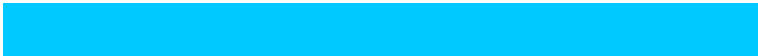


# Inverse Universe

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



39.8370, 50.5017, 102.2550



38.8901, 48.9001, 101.9967



21.6553, 14.1383, 96.1945



18.2079, 19.7874, 23.1096



20.4339, 25.7773, 53.3331



2.0675, 2.6657, 5.2188



# Previews

## White Background



This preview shows how the XYZ color 43.2744, 25.1909, 3.0335 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 43.2744, 25.1909, 3.0335 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 43.2744, 25.1909, 3.0335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2744, 25.1909, 3.0335.



This preview shows how white text looks on a background with the XYZ color 43.2744, 25.1909,



# 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

43.2744, 25.1909, 3.0335

### Protanopia

22.8948, 25.2610, 5.1826

### Deuteranopia

25.5719, 25.2313, 3.5223



## Tritanopia

43.9716, 25.1967, 7.5469

# Trichromacy



## Original Color

43.2744, 25.1909, 3.0335

## Protanomaly

27.4779, 22.7438, 3.9787

## Deuteranomaly

29.9137, 23.2229, 3.0494

## Tritanomaly

43.5865, 25.1320, 5.2430

# Monochromacy



## Original Color

43.2744, 25.1909, 3.0335

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

21.7520, 17.5300, 9.8266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2744, 25.1909, 3.0335 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, 66, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 15)  
}
```

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, 66, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 15) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2744, 25.1909, 3.0335 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, 66, 15) }
```



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

```
.border{ border-color:rgb(255, 66, 15) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
15) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2744, 25.1909, 3.0335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 15) }
```

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

```
.background{ background-color: rgb(255, 66,  
15) }
```

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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