

# Converting Colors

XYZ(43.1668, 24.9409, 3.1048)

Have a look what the booklet for  
XYZ(43.1668, 24.9409, 3.1048)  
contains.

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# Color

**XYZ(43.1826, 24.9705,  
3.1161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4012
RGB	255, 64, 18
RGB Percent	100%, 25%, 7%
CMY	0.0000, 0.7490, 0.9294
CMYK	0.00, 0.75, 0.93, 0.00
HSL	12°, 100%, 54%
HSV	12°, 93%, 100%
XYZ	43.1826, 24.9705, 3.1161
YIQ	115.8650, 128.6020, 26.1860

# Conversions

## Conversions Part 2

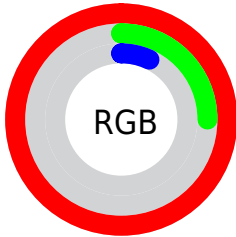
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 75, 18
Decimal	16728082
CIE Lab	57.05, 69.52, 64.77
CIE LCh	57, 95.017, 42.971
Yxy	24.9705, 0.6059, 0.3504
Android (android.graphics.Color)	4294918162 (0xFFFF4012)
YUV	115.8650, -48.2474, 122.0214
Hunter-Lab	49.9705, 66.8046, 31.2821

# Details

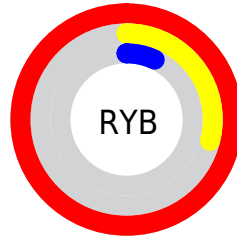
The XYZ color **43.1826, 24.9705, 3.1161** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **41.0965, 52.9429, 102.6600**, and the grayscale version is **16.6767, 17.5451, 19.1067**.

A 20% lighter version of the original color is **49.7433, 36.3951, 10.5341**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.3593, 23.4992, 2.3032**, and if you desaturate by 10%, it is **44.8993, 27.8666, 5.3465**.

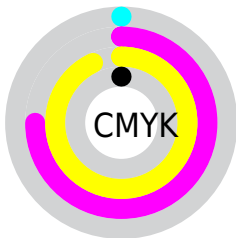
# Distribution



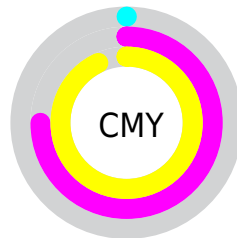
- Red (100%)
- Green (25%)
- Blue (7%)



- Red (100%)
- Yellow (29%)
- Blue (7%)



- Cyan (0%)
- Magenta (75%)
- Yellow (93%)
- Black (0%)




- Cyan (0%)
- Magenta (75%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1826, 24.9705, 3.1161 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 43.1826, 24.9705, 3.1161 by changing the saturation by 10% instead.





 43.1826, 24.9705,  
3.1161

 43.1826, 24.9705,  
3.1161


350.2710,  
277.6910, 137.8259


 30.2236, 16.0551,  
1.1542


 79.2403, 51.6094,  
11.9136

 20.1572, 9.5631,  
0.0000


 103.0697, 70.1016,  
19.5863

 12.6183, 5.1103,  
0.0000


 131.2533, 92.5549,  
29.9997

 7.2414, 2.3121,  
0.0000

 164.1564,  
119.3536, 43.5723

 3.6612, 0.7801,  
0.0000

 202.1443,  
150.8822, 60.7227


 1.5123, 0.0000,  
0.0000

 245.5825,


 0.3342, 0.0000,


187.5250, 81.8694


0.0000


 294.8363,  
229.6665, 107.4309


 0.0000, 0.0000,  
0.0000

 43.1826, 24.9705,  
3.1161


 43.1826, 24.9705,  
3.1161


 42.3593, 23.4992,  
2.3032

 44.8993, 27.8666,  
5.3465

 47.3771, 31.8158,  
9.2747

 50.7005, 36.9126,  
15.1609

 54.9415, 43.2391,  
23.2203

 60.1643, 50.8696,  
33.6394

66.4267, 59.8726,  
46.5847

73.7823, 70.3114,  
62.2074

82.2806, 82.2456,  
80.6470

91.9683, 95.7313,  
102.0331

# Harmonies

## Analogous

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



51.4335, 24.9705, 15.5828



43.1826, 24.9705, 3.1161



30.5986, 24.9705, 0.5247

# Triad

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



43.1826, 24.9705, 3.1161



8.5468, 24.9705, 12.8559



28.8909, 24.9705, 142.0466

# Complementary

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



43.1826, 24.9705, 3.1161



41.0965, 52.9429, 102.6600

# 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.



17.9810, 24.9705, 138.6786



43.1826, 24.9705, 3.1161



8.3491, 24.9705, 43.4728

# Square

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



43.1826, 24.9705, 3.1161



11.8937, 24.9705, 2.4443



11.2279, 24.9705, 94.4028



41.5993, 24.9705, 101.6439



# Rectangle

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



43.1826, 24.9705, 3.1161



22.6372, 24.9705, 0.2424



11.2279, 24.9705, 94.4028



24.8651, 24.9705, 146.5727

# Sweetspot

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



43.1831, 24.9720, 3.1165



69.9212, 64.8467, 53.9593



53.2829, 26.4233, 64.2819



14.3096, 12.9457, 10.1629



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.



43.1831, 24.9720, 3.1165



42.3597, 23.4994, 2.3032



57.6601, 53.9259, 7.9421



18.2948, 18.5577, 18.7621



22.2144, 12.4401, 1.2304

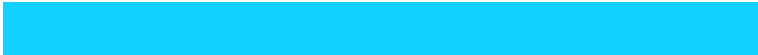


2.2342, 1.3538, 0.1436

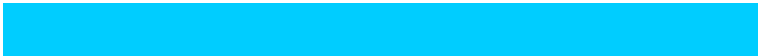


# Inverse Universe

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



41.0965, 52.9429, 102.6600



39.9992, 51.1184, 102.3664



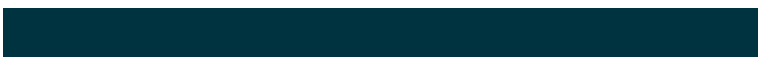
22.2182, 15.1863, 96.3672



18.2376, 19.8467, 23.1195



21.0068, 26.9231, 53.5241



2.1185, 2.7677, 5.2358



# Previews

## White Background



This preview shows how the XYZ color 43.1826, 24.9705, 3.1161 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 43.1826, 24.9705, 3.1161 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 43.1826, 24.9705, 3.1161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1826, 24.9705, 3.1161.



This preview shows how white text looks on a background with the XYZ color 43.1826, 24.9705,



# 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

43.1826, 24.9705, 3.1161

### Protanopia

22.7333, 25.1744, 5.3300

### Deuteranopia

25.2162, 24.8495, 3.4674



## Tritanopia

43.8059, 24.9564, 7.2109

# Trichromacy



## Original Color

43.1826, 24.9705, 3.1161

## Protanomaly

27.3921, 22.5340, 4.0682

## Deuteranomaly

29.8210, 23.0199, 3.0726

## Tritanomaly

43.4757, 24.9105, 5.2061

# Monochromacy



## Original Color

43.1826, 24.9705, 3.1161

## Achromatopsia

16.6002, 17.4647, 19.0191

## Achromatomaly

21.6590, 17.3441, 9.7956

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1826, 24.9705, 3.1161 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, 64, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 18)  
}
```

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, 64, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 18) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1826, 24.9705, 3.1161 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, 64, 18) }
```



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

```
.border{ border-color:rgb(255, 64, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 64, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
18) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1826, 24.9705, 3.1161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 18) }
```

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

```
.background{ background-color: rgb(255, 64,  
18) }
```

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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