

# Converting Colors

XYZ(43.1574, 28.0959, 3.8722)

Have a look what the booklet for  
XYZ(43.1574, 28.0959, 3.8722)  
contains.

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# Color

**XYZ(43.1166, 28.0226,  
3.8459)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F95D15
RGB	249, 93, 21
RGB Percent	98%, 36%, 8%
CMY	0.0235, 0.6353, 0.9176
CMYK	0.00, 0.63, 0.92, 0.02
HSL	19°, 95%, 53%
HSV	19°, 92%, 98%
XYZ	43.1166, 28.0226, 3.8459
YIQ	131.4360, 116.0880, 10.6800

# Conversions

## Conversions Part 2

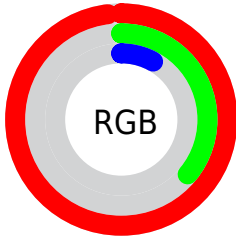
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 126, 21
Decimal	16342293
CIE Lab	59.91, 56.99, 65.26
CIE LCh	60, 86.638, 48.869
Yxy	28.0226, 0.5750, 0.3737
Android (android.graphics.Color)	4294532373 (0xFFF95D15)
YUV	131.4360, -54.4449, 103.1036
Hunter-Lab	52.9364, 52.7493, 32.7480

# Details

The XYZ color **43.1166, 28.0226, 3.8459** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **33.1287, 38.4402, 95.2953**, and the grayscale version is **21.8909, 23.0309, 25.0806**.

A 20% lighter version of the original color is **53.2920, 43.2767, 12.3819**, and **20.3110, 11.2781, 1.1064** is the 20% darker color. If you saturate the color by 10%, you get **41.8366, 25.6797, 2.7516**, and if you desaturate by 10%, it is **45.1387, 31.4979, 6.2755**.

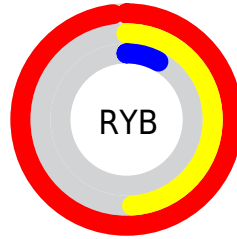
# Distribution



Red (98%)

Green (36%)

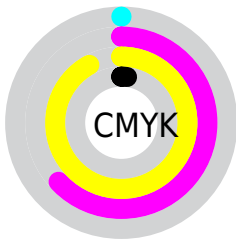
Blue (8%)



Red (98%)

Yellow (49%)

Blue (8%)

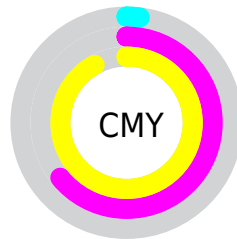


Cyan (0%)

Magenta (63%)

Yellow (92%)

Black (2%)



Cyan (2%)

Magenta (64%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.1166, 28.0226, 3.8459 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 43.1166, 28.0226, 3.8459 by changing the saturation by 10% instead.





 43.1166, 28.0226,  
3.8459


 43.1166, 28.0226,  
3.8459


350.0045,  
292.5749, 146.4968


 30.1715, 18.3427,  
1.5412


 79.1414, 56.5205,  
13.6528

 20.1175, 11.1963,  
0.2483


 102.9518, 76.1073,  
21.9920


 12.5893, 6.1990,  
0.0000


 131.1148, 99.7652,  
33.1799

 7.2214, 2.9665,  
0.0000

 163.9956,  
127.8786, 47.6348

 3.6485, 1.1143,  
0.0000

 201.9596,  
160.8319, 65.7755


 1.5053, 0.0000,  
0.0000

 245.3722,


 0.3294, 0.0000,


199.0094, 88.0203


0.0000


 294.5987,  
242.7956, 114.7879

 0.0000, 0.0000,  
0.0000


 43.1166, 28.0226,  
3.8459


 43.1166, 28.0226,  
3.8459


 41.8366, 25.6797,  
2.7516

 45.1387, 31.4979,  
6.2755

 47.7976, 35.7919,  
10.3176

 51.1554, 40.9609,  
16.2050

 55.2652, 47.0539,  
24.1314

 60.1745, 54.1158,  
34.2659

65.9262, 62.1885,  
46.7594

72.5601, 71.3113,  
61.7497

80.1134, 81.5210,  
79.3639

88.6210, 92.8529,  
99.7202

# Harmonies

## Analogous

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



52.0909, 28.0226, 14.8111



43.1166, 28.0226, 3.8459



30.9315, 28.0226, 1.3135

# Triad

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



43.1166, 28.0226, 3.8459



10.8013, 28.0226, 20.2454



34.0800, 28.0226, 131.2662

# Complementary

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



43.1166, 28.0226, 3.8459



33.1287, 38.4402, 95.2953

# 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.



22.7554, 28.0226, 136.9449



43.1166, 28.0226, 3.8459



11.2113, 28.0226, 54.6036

# Square

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



43.1166, 28.0226, 3.8459



13.6654, 28.0226, 5.4905



15.0007, 28.0226, 102.6913



45.9607, 28.0226, 90.2443



# Rectangle

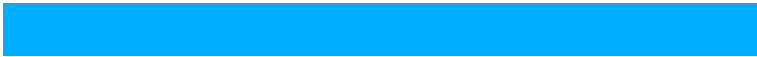
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.1166, 28.0226, 3.8459



23.5039, 28.0226, 1.2632



15.0007, 28.0226, 102.6913



30.0318, 28.0226, 138.0780

# Sweetspot

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



43.1172, 28.0242, 3.8463



72.6491, 69.8719, 56.1956



47.6343, 23.9958, 45.6225



15.0527, 14.2688, 10.9135



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.



43.1172, 28.0242, 3.8463



44.1480, 27.0760, 2.8993



60.6524, 63.0947, 9.6914



17.6919, 18.1197, 18.0274



22.5067, 13.9701, 1.5103



2.1753, 1.4754, 0.1701

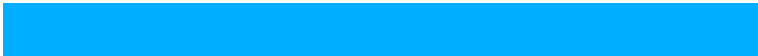


# Inverse Universe

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



33.1287, 38.4402, 95.2953



33.2760, 37.6719, 100.1253



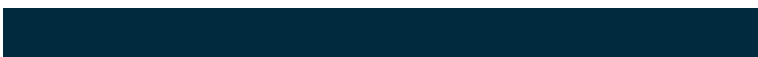
19.3917, 10.9662, 90.7163



17.2764, 18.6297, 22.0706



17.0167, 19.3890, 50.8191



1.6711, 1.9859, 4.7384



# Previews

## White Background



This preview shows how the XYZ color 43.1166, 28.0226, 3.8459 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 43.1166, 28.0226, 3.8459 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 43.1166, 28.0226, 3.8459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.1166, 28.0226, 3.8459.



This preview shows how white text looks on a background with the XYZ color 43.1166, 28.0226,



# 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

43.1166, 28.0226, 3.8459

### Protanopia

25.5330, 28.1587, 5.6795

### Deuteranopia

28.4741, 27.9586, 3.8958



## Tritanopia

45.1236, 28.0983, 13.1705

# Trichromacy



## Original Color

43.1166, 28.0226, 3.8459

## Protanomaly

29.9433, 26.4848, 4.7622

## Deuteranomaly

32.6133, 26.9577, 3.7142

## Tritanomaly

43.9801, 27.8621, 8.2142

# Monochromacy



## Original Color

43.1166, 28.0226, 3.8459

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

25.7052, 22.4766, 12.8811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.1166, 28.0226, 3.8459 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(249, 93, 21)` looks like.

```
.text, #text, p{  
    color:rgb(249, 93, 21)  
}
```

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(249, 93, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 93, 21) }
```

## Border

The CSS property to change the border of an element to XYZ 43.1166, 28.0226, 3.8459 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(249, 93, 21) }
```



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

```
.border{ border-color:rgb(249, 93, 21) }
```

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

Here you see how a box with a 4 pixel rgb(249, 93, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 93, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 93, 21);  
box-shadow:4px 4px 4px 4px rgb(249, 93,  
21) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.1166, 28.0226, 3.8459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 93, 21) }
```

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

```
.background{ background-color: rgb(249, 93,  
21) }
```

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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