

# Converting Colors

XYZ(43.5283, 27.8705, 3.6004)

Have a look what the booklet for  
XYZ(43.5283, 27.8705, 3.6004)  
contains.

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# Color

**XYZ(43.5410, 27.8620,  
3.6134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB5A11
RGB	251, 90, 17
RGB Percent	98%, 35%, 7%
CMY	0.0157, 0.6470, 0.9333
CMYK	0.00, 0.64, 0.93, 0.02
HSL	19°, 97%, 53%
HSV	19°, 93%, 98%
XYZ	43.5410, 27.8620, 3.6134
YIQ	129.8170, 119.3890, 11.4290

# Conversions

## Conversions Part 2

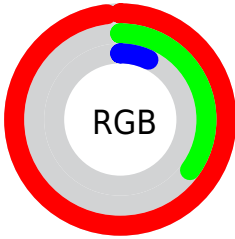
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 123, 17
Decimal	16472593
CIE Lab	59.76, 58.87, 66.36
CIE LCh	60, 88.707, 48.420
Yxy	27.8620, 0.5804, 0.3714
Android (android.graphics.Color)	4294662673 (0xFFFB5A11)
YUV	129.8170, -55.6188, 106.2775
Hunter-Lab	52.7845, 54.8688, 32.8904

# Details

The XYZ color **43.5410, 27.8620, 3.6134** 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 **33.5628, 38.9224, 97.0099**, and the grayscale version is **21.3157, 22.4257, 24.4216**.

A 20% lighter version of the original color is **52.7549, 42.3122, 11.8651**, and **20.6416, 11.2230, 1.0783** is the 20% darker color. If you saturate the color by 10%, you get **42.5299, 26.0021, 2.7773**, and if you desaturate by 10%, it is **45.4900, 31.2507, 5.8347**.

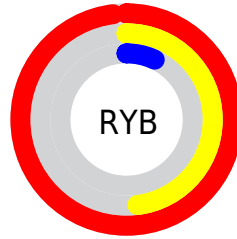
# Distribution



Red (98%)

Green (35%)

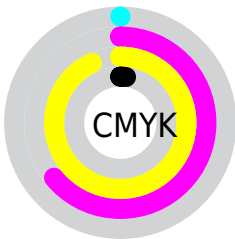
Blue (7%)



Red (98%)

Yellow (48%)

Blue (7%)

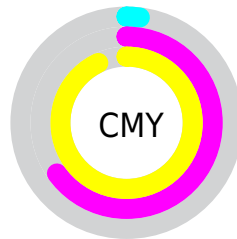


Cyan (0%)

Magenta (64%)

Yellow (93%)

Black (2%)



Cyan (2%)

Magenta (65%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5410, 27.8620, 3.6134 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 43.5410, 27.8620, 3.6134 by changing the saturation by 10% instead.





 43.5410, 27.8620,  
3.6134


 43.5410, 27.8620,  
3.6134

351.7158,  
291.8069, 143.8262

 30.5062, 18.2217,  
1.4157


 79.7772, 56.2640,  
13.1079

 20.3731, 11.1092,  
0.1540


 103.7094, 75.7945,  
21.2417


 12.7764, 6.1404,  
0.0000


 132.0047, 99.3905,  
32.1914

 7.3507, 2.9306,  
0.0000

 165.0285,  
127.4364, 46.3755

 3.7306, 1.0956,  
0.0000

 203.1461,  
160.3166, 64.2125


 1.5509, 0.0000,  
0.0000

 246.7230,


 0.3601, 0.0000,


198.4155, 86.1209


0.0000


 296.1245,  
242.1175, 112.5193


 0.0000, 0.0000,  
0.0000


 43.5410, 27.8620,  
3.6134


 43.5410, 27.8620,  
3.6134


 42.5299, 26.0021,  
2.7773

 45.4900, 31.2507,  
5.8347

 48.0791, 35.4698,  
9.6548

 51.3742, 40.5786,  
15.3199

 55.4309, 46.6287,  
23.0333

 60.2987, 53.6671,  
32.9709

66.0225, 61.7376,  
45.2896

72.6435, 70.8811,  
60.1319

80.2003, 81.1361,  
77.6292

88.7291, 92.5395,  
97.9035

# Harmonies

## Analogous

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



52.6866, 27.8620, 14.6985



43.5410, 27.8620, 3.6134



31.0543, 27.8620, 1.1378

# Triad

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



43.5410, 27.8620, 3.6134



10.4677, 27.8620, 19.5453



33.9032, 27.8620, 134.8686

# Complementary

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



43.5410, 27.8620, 3.6134



33.5628, 38.9224, 97.0099

# 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.



22.3821, 27.8620, 140.0954



43.5410, 27.8620, 3.6134



10.8307, 27.8620, 54.3569

# Square

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



43.5410, 27.8620, 3.6134



13.3971, 27.8620, 5.0285



14.5867, 27.8620, 104.0305



46.1271, 27.8620, 92.6169



# Rectangle

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



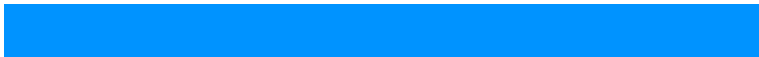
43.5410, 27.8620, 3.6134



23.4459, 27.8620, 1.0728



14.5867, 27.8620, 104.0305



29.7695, 27.8620, 141.7425

# Sweetspot

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



43.5416, 27.8636, 3.6138



71.8915, 68.7872, 54.6160



48.3039, 24.2381, 45.7415



14.7705, 13.8676, 10.3166



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.



43.5416, 27.8636, 3.6138



44.0765, 26.9330, 2.8755



61.5251, 63.8305, 9.6083



17.6864, 18.1086, 18.0255



22.4694, 13.8955, 1.4978



2.1713, 1.4674, 0.1688

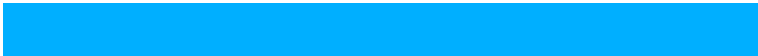


# Inverse Universe

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



33.5628, 38.9224, 97.0099



33.4659, 38.0518, 100.1886



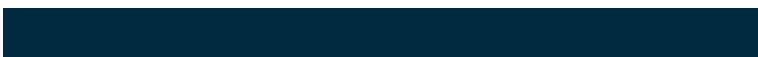
19.4660, 10.7289, 92.3110



17.2823, 18.6413, 22.0726



17.1123, 19.5802, 50.8510



1.6794, 2.0025, 4.7412



# Previews

## White Background



This preview shows how the XYZ color 43.5410, 27.8620, 3.6134 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 43.5410, 27.8620, 3.6134 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 43.5410, 27.8620, 3.6134**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5410, 27.8620, 3.6134.



This preview shows how white text looks on a background with the XYZ color 43.5410, 27.8620,

3.6134.

# 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

43.5410, 27.8620, 3.6134

### Protanopia

25.2864, 28.0365, 5.4453

### Deuteranopia

28.2371, 27.8364, 3.8847



## Tritanopia

45.4815, 27.9446, 12.4479

# Trichromacy



## Original Color

43.5410, 27.8620, 3.6134

## Protanomaly

29.7796, 26.2157, 4.5275

## Deuteranomaly

32.4815, 26.7115, 3.6162

## Tritanomaly

44.3699, 27.7099, 7.7126

# Monochromacy



## Original Color

43.5410, 27.8620, 3.6134

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

25.3895, 21.9814, 12.3559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5410, 27.8620, 3.6134 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(251, 90, 17)` looks like.

```
.text, #text, p{  
    color:rgb(251, 90, 17)  
}
```

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(251, 90, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 90, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5410, 27.8620, 3.6134 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(251, 90, 17) }
```



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

```
.border{ border-color:rgb(251, 90, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 90, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 90, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 90, 17);  
box-shadow:4px 4px 4px 4px rgb(251, 90,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5410, 27.8620, 3.6134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 90, 17) }
```

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

```
.background{ background-color: rgb(251, 90,  
17) }
```

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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