

Converting Colors

XYZ(51.6950, 43.7791, 6.1941)

Have a look what the booklet for
XYZ(51.6950, 43.7791, 6.1941)
contains.

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Color

**XYZ(51.7867, 43.8411,
6.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9A0F
RGB	252, 154, 15
RGB Percent	99%, 60%, 6%
CMY	0.0118, 0.3961, 0.9411
CMYK	0.00, 0.39, 0.94, 0.01
HSL	35°, 98%, 52%
HSV	35°, 94%, 99%
XYZ	51.7867, 43.8411, 6.1847
YIQ	167.4560, 103.0270, -22.4530

Conversions

Conversions Part 2

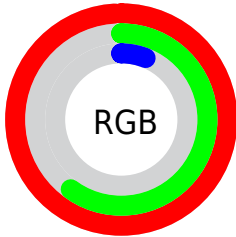
Format	Color
RYB	182, 252, 15
Decimal	16554511
CIELab	72.12, 28.54, 75.05
CIELCh	72, 80.298, 69.179
Yxy	43.8411, 0.5086, 0.4306
Android (android.graphics.Color)	4294744591 (0xFFFC9A0F)
YUV	167.4560, -75.1608, 74.1451
Hunter-Lab	66.2126, 23.7377, 40.8107

Details

The XYZ color **51.7867, 43.8411, 6.1847** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.6733, 18.9410, 94.5030**, and the grayscale version is **37.2756, 39.2168, 42.7071**.

A 20% lighter version of the original color is **65.5635, 67.4701, 17.5501**, and **25.7376, 20.3216, 2.5659** is the 20% darker color. If you saturate the color by 10%, you get **50.7031, 41.8124, 5.3983**, and if you desaturate by 10%, it is **53.8832, 47.5540, 8.3653**.

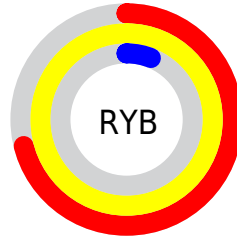
Distribution



Red (99%)

Green (60%)

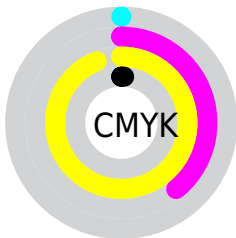
Blue (6%)



Red (71%)

Yellow (99%)

Blue (6%)

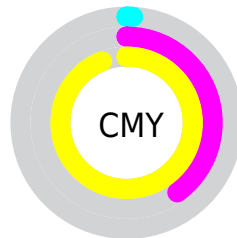


Cyan (0%)

Magenta (39%)

Yellow (94%)

Black (1%)



Cyan (1%)


Magenta (40%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7867, 43.8411, 6.1847 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 51.7867, 43.8411, 6.1847 by changing the saturation by 10% instead.


 51.7867, 43.8411,
6.1847


 51.7867, 43.8411,
6.1847


383.9501,
362.0595, 170.0713

 37.0587, 30.5456,
2.8871


 91.9927, 80.9786,
18.7973


 25.4268, 20.2531,
1.0373


 118.2013,
105.5894, 28.9494

 16.5257, 12.5791,
0.0000


 148.9676,
134.7407, 42.2235

 9.9901, 7.1394,
0.0000

 184.6568,
168.8170, 59.0379

 5.4546, 3.5494,
0.0000

 225.6343,
208.2026, 79.8114

 2.5539, 1.4249,
0.0000

 272.2654,

 0.9225, 0.2349,

253.2820, 104.9625

0.0000

324.9156,
304.4394, 134.9096

■ 0.0000, 0.0000,
0.0000

■ 51.7867, 43.8411,
6.1847

■ 51.7867, 43.8411,
6.1847

■ 50.7031, 41.8124,
5.3983

■ 53.8832, 47.5540,
8.3653

■ 56.4109, 51.6822,
12.0663

■ 59.4210, 56.2537,
17.5361

■ 62.9554, 61.2906,
24.9777

■ 67.0502, 66.8128,
34.5660

71.7379, 72.8383,
46.4563

77.0483, 79.3840,
60.7896

83.0088, 86.4657,
77.6953

89.6450, 94.0983,
97.2937

Harmonies

Analogous

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



65.6957, 43.8411, 14.1091



51.7867, 43.8411, 6.1847



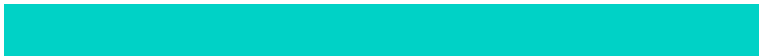
37.5946, 43.8411, 5.2221

Triad

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



51.7867, 43.8411, 6.1847



20.6468, 43.8411, 60.8552



60.6938, 43.8411, 133.7232

Complementary

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



51.7867, 43.8411, 6.1847



23.6733, 18.9410, 94.5030

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.



46.0290, 43.8411, 168.2131



51.7867, 43.8411, 6.1847



24.3577, 43.8411, 113.2899

Square

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



51.7867, 43.8411, 6.1847



21.5278, 43.8411, 25.5705



32.9643, 43.8411, 159.1786



71.5733, 43.8411, 80.0081

Rectangle

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



51.7867, 43.8411, 6.1847



30.0677, 43.8411, 7.4568



32.9643, 43.8411, 159.1786



55.9274, 43.8411, 148.9986

Sweetspot

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



51.7877, 43.8434, 6.1855



76.9041, 78.8125, 56.2869



43.3390, 22.2466, 17.8568



15.9634, 16.2534, 10.7142



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.



51.7877, 43.8434, 6.1855



52.0763, 42.9325, 5.5421



68.2564, 86.8525, 13.6191



18.0906, 18.9171, 18.1603



26.5609, 22.0784, 2.8617



2.5645, 2.2538, 0.2999

Inverse Universe

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



23.6733, 18.9410, 94.5030



23.1465, 17.4130, 96.7488



18.4266, 7.7234, 92.6143



16.8726, 17.8220, 21.9360



11.8790, 9.1135, 49.1065



1.2019, 1.0475, 4.5820

Previews

White Background



This preview shows how the XYZ color 51.7867, 43.8411, 6.1847 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 51.7867, 43.8411, 6.1847 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7867, 43.8411, 6.1847

Background



This preview shows how black text looks on a background with the XYZ color 51.7867, 43.8411, 6.1847.



This preview shows how white text looks on a background with the XYZ color 51.7867, 43.8411,

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

51.7867, 43.8411, 6.1847

Protanopia

39.9047, 44.1861, 7.2897

Deuteranopia

44.7431, 43.8526, 6.1062



Tritanopia

57.2818, 43.8774, 36.4604

Trichromacy



Original Color

51.7867, 43.8411, 6.1847

Protanomaly

43.5367, 43.4901, 6.8093

Deuteranomaly

47.0563, 43.6978, 6.0980

Tritanomaly

53.9616, 43.2501, 18.6007

Monochromacy



Original Color

51.7867, 43.8411, 6.1847

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.1337, 39.0163, 20.7976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7867, 43.8411, 6.1847 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(252, 154, 15)` looks like.

```
.text, #text, p{  
    color:rgb(252, 154, 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(252, 154, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 154, 15) }
```

Border

The CSS property to change the border of an element to XYZ 51.7867, 43.8411, 6.1847 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(252, 154, 15) }
```


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

```
.border{ border-color:rgb(252, 154, 15) }
```

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

Here you see how a box with a 4 pixel rgb(252, 154, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 154, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 154, 15);  
box-shadow:4px 4px 4px 4px rgb(252, 154,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7867, 43.8411, 6.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 154, 15) }
```

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

```
.background{ background-color: rgb(252,  
154, 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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