

Converting Colors

XYZ(51.6185, 43.0334, 5.8154)

Have a look what the booklet for
XYZ(51.6185, 43.0334, 5.8154)
contains.

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Color

**XYZ(51.6185, 43.0334,
5.8154)**

Conversions

Conversions Part 1

Format	Color
Hex	FD9708
RGB	253, 151, 8
RGB Percent	99%, 59%, 3%
CMY	0.0078, 0.4078, 0.9686
CMYK	0.00, 0.40, 0.97, 0.01
HSL	35°, 98%, 51%
HSV	35°, 97%, 99%
XYZ	51.6185, 43.0334, 5.8154
YIQ	165.1960, 106.6950, -22.8490

Conversions

Conversions Part 2

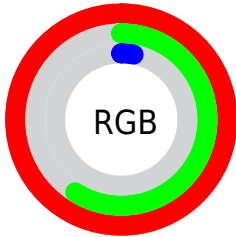
Format	Color
RYB	183, 253, 8
Decimal	16619272
CIELab	71.58, 30.45, 75.68
CIELCh	72, 81.572, 68.084
Yxy	43.0334, 0.5138, 0.4283
Android (android.graphics.Color)	4294809352 (0xFFFD9708)
YUV	165.1960, -77.4976, 77.0041
Hunter-Lab	65.5998, 25.6564, 40.6639

Details

The XYZ color **51.6185, 43.0334, 5.8154** 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 **23.4063, 18.2964, 95.2258**, and the grayscale version is **36.1849, 38.0694, 41.4576**.

A 20% lighter version of the original color is **64.7226, 65.9671, 16.7188**, and **25.6970, 19.8708, 2.4811** is the 20% darker color. If you saturate the color by 10%, you get **51.0462, 41.9594, 5.4085**, and if you desaturate by 10%, it is **53.6261, 46.6730, 7.6443**.

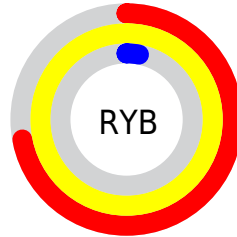
Distribution



Red (99%)

Green (59%)

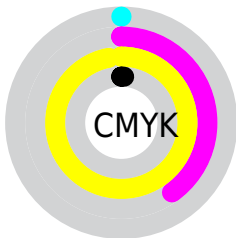
Blue (3%)



Red (72%)

Yellow (99%)

Blue (3%)

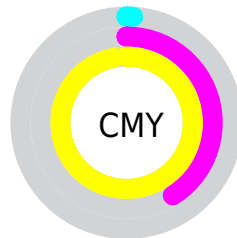


Cyan (0%)

Magenta (40%)

Yellow (97%)

Black (1%)



Cyan (1%)


Magenta (41%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6185, 43.0334, 5.8154 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 51.6185, 43.0334, 5.8154 by changing the saturation by 10% instead.


 51.6185, 43.0334,
5.8154

 51.6185, 43.0334,
5.8154


383.3102,
358.7491, 166.6606

 36.9241, 29.9113,
2.6662


 91.7459, 79.7613,
18.0175


 25.3221, 19.7713,
0.9263


 117.9097,
104.1358, 27.9075


 16.4472, 12.2289,
0.0000


 148.6273,
133.0300, 40.8815

 9.9340, 6.8998,
0.0000

 184.2641,
166.8282, 57.3581

 5.4172, 3.3995,
0.0000

 225.1854,
205.9148, 77.7557

 2.5313, 1.3437,
0.0000

 271.7566,

 0.9111, 0.1747,

250.6743, 102.4930

0.0000

324.3431,
301.4909, 131.9885

■ 0.0000, 0.0000,
0.0000

■ 51.6185, 43.0334,
5.8154

■ 51.6185, 43.0334,
5.8154

■ 51.0462, 41.9594,
5.4085

■ 53.6261, 46.6730,
7.6443

■ 56.0536, 50.7271,
10.9222

■ 58.9568, 55.2258,
15.9219

■ 62.3801, 60.1924,
22.8586

■ 66.3615, 65.6477,
31.9158

70.9348, 71.6105,
43.2553

76.1307, 78.0983,
57.0232

81.9777, 85.1274,
73.3530

88.5020, 92.7133,
92.3688

Harmonies

Analogous

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



65.5237, 43.0334, 13.8903



51.6185, 43.0334, 5.8154



37.2853, 43.0334, 4.7154

Triad

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



51.6185, 43.0334, 5.8154



19.8658, 43.0334, 58.3668



59.5341, 43.0334, 135.6465

Complementary

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



51.6185, 43.0334, 5.8154



23.4063, 18.2964, 95.2258

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.



44.7452, 43.0334, 169.4227



51.6185, 43.0334, 5.8154



23.3799, 43.0334, 111.0383

Square

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



51.6185, 43.0334, 5.8154



20.9045, 43.0334, 23.8433



31.7819, 43.0334, 158.5148



70.7625, 43.0334, 81.2992

Rectangle

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



51.6185, 43.0334, 5.8154



29.6461, 43.0334, 6.7176



31.7819, 43.0334, 158.5148



54.6975, 43.0334, 150.8593

Sweetspot

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



51.6194, 43.0357, 5.8162



76.2987, 78.0243, 54.7818



43.4141, 22.1842, 16.7715



15.8439, 16.0937, 10.4297



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.



51.6194, 43.0357, 5.8162



51.9620, 42.7041, 5.5040



68.6375, 87.5213, 13.5058



18.8903, 19.7488, 18.9606



27.3022, 22.6155, 2.9263



2.7662, 2.4179, 0.3209

Inverse Universe

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



23.4063, 18.2964, 95.2258



23.2206, 17.5612, 96.7735



18.3072, 7.5187, 93.4143



17.6243, 18.6202, 22.9151



12.2725, 9.4545, 50.6127



1.2998, 1.1303, 4.9629

Previews

White Background



This preview shows how the XYZ color 51.6185, 43.0334, 5.8154 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 51.6185, 43.0334, 5.8154 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 51.6185, 43.0334, 5.8154

Background



This preview shows how black text looks on a background with the XYZ color 51.6185, 43.0334, 5.8154.



This preview shows how white text looks on a background with the XYZ color 51.6185, 43.0334,

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

51.6185, 43.0334, 5.8154

Protanopia

38.9494, 43.1106, 6.9778

Deuteranopia

43.9429, 43.1670, 6.0160



Tritanopia

56.7300, 43.1719, 35.0488

Trichromacy



Original Color

51.6185, 43.0334, 5.8154

Protanomaly

42.8257, 42.5803, 6.4519

Deuteranomaly

46.3656, 42.8200, 5.9075

Tritanomaly

53.4522, 42.5487, 17.4521

Monochromacy



Original Color

51.6185, 43.0334, 5.8154

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.3035, 38.0946, 19.5215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6185, 43.0334, 5.8154 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(253, 151, 8)` looks like.

```
.text, #text, p{  
    color:rgb(253, 151, 8)  
}
```

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(253, 151, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 151, 8) }
```

Border

The CSS property to change the border of an element to XYZ 51.6185, 43.0334, 5.8154 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(253, 151, 8) }
```


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

```
.border{ border-color:rgb(253, 151, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 151, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 151, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 151, 8);  
box-shadow:4px 4px 4px 4px rgb(253, 151,  
8) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6185, 43.0334, 5.8154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 151, 8) }
```

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

```
.background{ background-color: rgb(253,  
151, 8) }
```

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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