

Converting Colors

XYZ(51.6034, 40.8835, 8.7859)

Have a look what the booklet for
XYZ(51.6034, 40.8835, 8.7859)
contains.

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Color

**XYZ(51.6026, 40.8818,
8.7857)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E37
RGB	255, 142, 55
RGB Percent	100%, 56%, 22%
CMY	0.0000, 0.4431, 0.7843
CMYK	0.00, 0.44, 0.78, 0.00
HSL	26°, 100%, 61%
HSV	26°, 78%, 100%
XYZ	51.6026, 40.8818, 8.7857
YIQ	165.8690, 95.2750, -3.1010

Conversions

Conversions Part 2

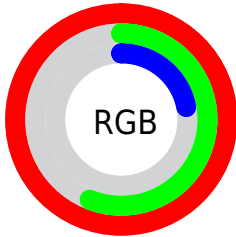
Format	Color
R_{YB}	255, 209, 55
Decimal	16748087
CIE _{Lab}	70.09, 36.80, 62.01
CIE _{LCh}	70, 72.111, 59.311
Yxy	40.8818, 0.5096, 0.4037
Android (android.graphics.Color)	4294938167 (0xFFFF8E37)
YUV	165.8690, -54.6584, 78.1679
Hunter-Lab	63.9389, 32.1674, 36.6103

Details

The XYZ color **51.6026, 40.8818, 8.7857** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.6273, 36.0356, 99.7903**, and the grayscale version is **36.4069, 38.3029, 41.7119**.

A 20% lighter version of the original color is **63.9130, 62.2752, 22.8391**, and **25.3944, 18.5188, 2.2361** is the 20% darker color. If you saturate the color by 10%, you get **49.1350, 36.6855, 5.6866**, and if you desaturate by 10%, it is **54.6645, 45.7627, 13.6392**.

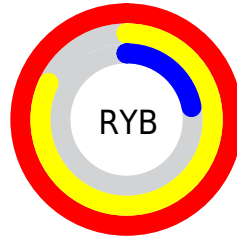
Distribution



Red (100%)

Green (56%)

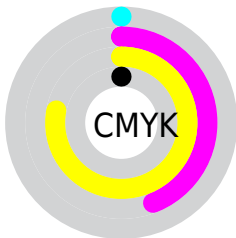
Blue (22%)



Red (100%)

Yellow (82%)

Blue (22%)

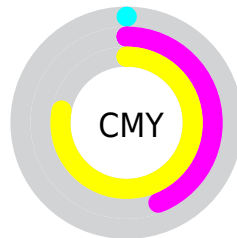


Cyan (0%)

Magenta (44%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6026, 40.8818, 8.7857 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 51.6026, 40.8818, 8.7857 by changing the saturation by 10% instead.


 51.6026, 40.8818,
8.7857

 51.6026, 40.8818,
8.7857


383.2497,
349.8264, 191.9299


 36.9114, 28.2267,
4.5068


 91.7226, 76.5044,
24.0560

 25.3123, 18.4966,
1.9073


 117.8821,
100.2408, 35.8845

 16.4398, 11.3071,
0.4974


 148.5951,
128.4397, 51.0666

 9.9287, 6.2738,
0.0000

 184.2269,
161.4856, 70.0208

 5.4136, 3.0123,
0.0000

 225.1429,
199.7628, 93.1657

 2.5292, 1.1382,
0.0000

 271.7085,

 0.9100, 0.0103,

243.6557, 120.9199

0.0000

324.2890,
293.5488, 153.7017

■ 0.0000, 0.0000,
0.0000

■ 51.6026, 40.8818,
8.7857

■ 51.6026, 40.8818,
8.7857

■ 49.1350, 36.6855,
5.6866

■ 54.6645, 45.7627,
13.6392

■ 47.1885, 33.1223,
4.0211

■ 58.3705, 51.3587,
20.4733

■ 46.9168, 32.6140,
3.8223

■ 62.7673, 57.7055,
29.4820

■ 67.8955, 64.8336,
40.8353

■ 73.7922, 72.7720,
54.6860

80.4919, 81.5475,
71.1741

88.0267, 91.1859,
90.4290

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



62.1450, 40.8818, 19.7084



51.6026, 40.8818, 8.7857



39.1299, 40.8818, 6.0529

Triad

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



51.6026, 40.8818, 8.7857



20.3224, 40.8818, 43.7379



51.0348, 40.8818, 128.4289

Complementary

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



51.6026, 40.8818, 8.7857



33.6273, 36.0356, 99.7903

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.



38.5852, 40.8818, 145.9973



51.6026, 40.8818, 8.7857



22.2626, 40.8818, 84.4248

Square

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



51.6026, 40.8818, 8.7857



22.4510, 40.8818, 18.9340



28.4045, 40.8818, 126.8546



61.7733, 40.8818, 86.5116

Rectangle

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



51.6026, 40.8818, 8.7857



31.8369, 40.8818, 7.0689



28.4045, 40.8818, 126.8546



46.8397, 40.8818, 138.0971

Sweetspot

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



51.6035, 40.8840, 8.7864



76.6597, 76.5552, 61.6575



49.7051, 26.8322, 39.7687



15.9121, 15.7320, 11.9884



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.



51.6035, 40.8840, 8.7864



47.9941, 34.6267, 4.6173



73.5823, 84.8414, 16.1127



18.6594, 19.2870, 18.8836



24.6573, 17.3259, 2.0446



2.5071, 1.8995, 0.2345

Inverse Universe

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



33.6273, 36.0356, 99.7903



29.2740, 29.3683, 98.7335



21.7131, 12.2073, 95.8189



17.8546, 19.0809, 22.9919



14.7994, 14.5084, 51.4550



1.5497, 1.6301, 5.0462

Previews

White Background



This preview shows how the XYZ color 51.6026, 40.8818, 8.7857 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 51.6026, 40.8818, 8.7857 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 51.6026, 40.8818, 8.7857

Background



This preview shows how black text looks on a background with the XYZ color 51.6026, 40.8818, 8.7857.



This preview shows how white text looks on a background with the XYZ color 51.6026, 40.8818,

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

51.6026, 40.8818, 8.7857

Protanopia

37.3880, 41.0704, 10.6594

Deuteranopia

41.9496, 41.0067, 8.5004



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

51.6026, 40.8818, 8.7857

Protanomaly

41.5848, 40.2631, 9.8548

Deuteranomaly

44.9520, 40.5047, 8.5809

Tritanomaly

53.2531, 40.6068, 20.3604

Monochromacy



Original Color

51.6026, 40.8818, 8.7857

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.1116, 37.6261, 24.9398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6026, 40.8818, 8.7857 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, 142, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 55)  
}
```

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, 142, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 55) }
```

Border

The CSS property to change the border of an element to XYZ 51.6026, 40.8818, 8.7857 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, 142, 55) }
```


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

```
.border{ border-color:rgb(255, 142, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6026, 40.8818, 8.7857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 55) }
```

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

```
.background{ background-color: rgb(255,  
142, 55) }
```

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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