

Converting Colors

XYZ(51.0096, 39.8432, 8.1340)

Have a look what the booklet for
XYZ(51.0096, 39.8432, 8.1340)
contains.

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Color

**XYZ(51.0702, 39.9643,
8.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8B33
RGB	255, 139, 51
RGB Percent	100%, 55%, 20%
CMY	0.0000, 0.4549, 0.8000
CMYK	0.00, 0.45, 0.80, 0.00
HSL	26°, 100%, 60%
HSV	26°, 80%, 100%
XYZ	51.0702, 39.9643, 8.1541
YIQ	163.6520, 97.3840, -2.7760

Conversions

Conversions Part 2

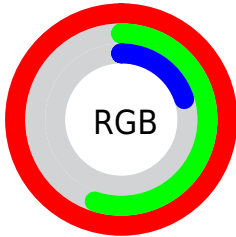
Format	Color
R_{YB}	255, 206, 51
Decimal	16747315
CIE _{Lab}	69.44, 38.19, 63.02
CIE _{LCh}	69, 73.687, 58.780
Yxy	39.9643, 0.5149, 0.4029
Android (android.graphics.Color)	4294937395 (0xFFFF8B33)
YUV	163.6520, -55.5374, 80.1122
Hunter-Lab	63.2173, 33.5711, 36.6046

Details

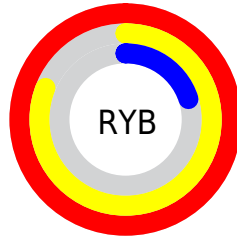
The XYZ color **51.0702, 39.9643, 8.1541** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.2328, 35.5590, 99.7191**, and the grayscale version is **35.3455, 37.1862, 40.4958**.

A 20% lighter version of the original color is **63.0305, 60.8430, 21.5185**, and **25.1464, 18.0229, 2.1534** is the 20% darker color. If you saturate the color by 10%, you get **48.6923, 35.8754, 5.3067**, and if you desaturate by 10%, it is **54.0362, 44.7375, 12.7166**.

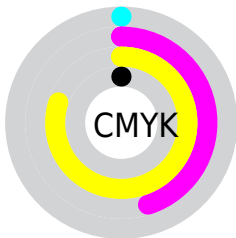
Distribution



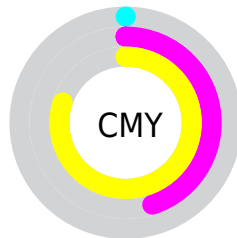
- Red (100%)
- Green (55%)
- Blue (20%)



- Red (100%)
- Yellow (81%)
- Blue (20%)



- Cyan (0%)
- Magenta (45%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0702, 39.9643, 8.1541 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 51.0702, 39.9643, 8.1541 by changing the saturation by 10% instead.


 51.0702, 39.9643,
8.1541


 51.0702, 39.9643,
8.1541


381.2196,
345.9731, 186.9153

 36.4857, 27.5107,
4.1045


 90.9409, 75.1091,
22.8111


 24.9814, 17.9572,
1.6829


 116.9579, 98.5692,
34.2557


 16.1919, 10.9192,
0.3489


 147.5164,
126.4669, 49.0023

 9.7517, 6.0125,
0.0000

 182.9818,
159.1865, 67.4695

 5.2957, 2.8527,
0.0000

 223.7195,
197.1126, 90.0759

 2.4583, 1.0553,
0.0000

 270.0948,

 0.8743, 0.0000,

240.6294, 117.2399

0.0000

322.4730,
290.1215, 149.3802

■ 0.0000, 0.0000,
0.0000

■ 51.0702, 39.9643,
8.1541

■ 51.0702, 39.9643,
8.1541

■ 48.6923, 35.8754,
5.3067

■ 54.0362, 44.7375,
12.7166

■ 46.8167, 32.4138,
3.7891

■ 57.6419, 50.2268,
19.2276

■ 46.8166, 32.4135,
3.7889

■ 61.9349, 56.4685,
27.8859

■ 66.9569, 63.4943,
38.8645

■ 72.7457, 71.3335,
52.3189

79.3361, 80.0137,
68.3907

86.7608, 89.5610,
87.2109

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.



61.6771, 39.9643, 19.0401



51.0702, 39.9643, 8.1541



38.4722, 39.9643, 5.4368

Triad

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



51.0702, 39.9643, 8.1541



19.4460, 39.9643, 42.1393



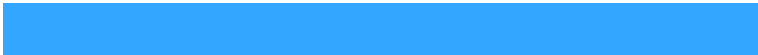
50.0532, 39.9643, 129.5010

Complementary

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



51.0702, 39.9643, 8.1541



33.2328, 35.5590, 99.7191

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.



37.5017, 39.9643, 146.8834



51.0702, 39.9643, 8.1541



21.3011, 39.9643, 83.1299

Square

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



51.0702, 39.9643, 8.1541



21.6328, 39.9643, 17.6861



27.3506, 39.9643, 126.6468



61.0092, 39.9643, 86.8913

Rectangle

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



51.0702, 39.9643, 8.1541



31.1074, 39.9643, 6.3486



27.3506, 39.9643, 126.6468



45.8080, 39.9643, 139.2308

Sweetspot

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



51.0711, 39.9664, 8.1548



76.6014, 76.4386, 61.6380



49.6794, 26.5300, 40.5329



15.8982, 15.7042, 11.9837



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.



51.0711, 39.9664, 8.1548



47.5192, 33.7290, 4.2987



72.4117, 82.6477, 15.2683



18.6538, 19.2758, 18.8818



24.6044, 17.2201, 2.0270



2.5017, 1.8887, 0.2327

Inverse Universe

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



33.2328, 35.5590, 99.7191



28.9872, 28.9049, 98.6592



21.4825, 12.0583, 95.8023



17.8603, 19.0922, 22.9938



14.8728, 14.6552, 51.4794



1.5567, 1.6441, 5.0486

Previews

White Background



This preview shows how the XYZ color 51.0702, 39.9643, 8.1541 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 51.0702, 39.9643, 8.1541 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 51.0702, 39.9643, 8.1541

Background



This preview shows how black text looks on a background with the XYZ color 51.0702, 39.9643, 8.1541.



This preview shows how white text looks on a background with the XYZ color 51.0702, 39.9643,

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

51.0702, 39.9643, 8.1541

Protanopia

36.3993, 40.0124, 9.9424

Deuteranopia

40.9125, 39.9603, 7.8423



Tritanopia

54.4352, 39.9581, 30.0429

Trichromacy



Original Color

51.0702, 39.9643, 8.1541

Protanomaly

40.8435, 39.3779, 9.1894

Deuteranomaly

44.1975, 39.6377, 7.9062

Tritanomaly

52.6107, 39.6707, 19.0717

Monochromacy



Original Color

51.0702, 39.9643, 8.1541

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.3225, 36.7431, 23.8112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0702, 39.9643, 8.1541 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, 139, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 51)  
}
```

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, 139, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 51) }
```

Border

The CSS property to change the border of an element to XYZ 51.0702, 39.9643, 8.1541 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, 139, 51) }
```


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

```
.border{ border-color:rgb(255, 139, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0702, 39.9643, 8.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 51) }
```

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

```
.background{ background-color: rgb(255,  
139, 51) }
```

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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