

Converting Colors

XYZ(55.9865, 42.2453, 9.4043)

Have a look what the booklet for
XYZ(55.9865, 42.2453, 9.4043)
contains.

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Color

**XYZ(51.1179, 39.7527,
9.1165)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8A3B
RGB	255, 138, 59
RGB Percent	100%, 54%, 23%
CMY	0.0000, 0.4588, 0.7686
CMYK	0.00, 0.46, 0.77, 0.00
HSL	24°, 100%, 62%
HSV	24°, 77%, 100%
XYZ	51.1179, 39.7527, 9.1165
YIQ	163.9770, 95.0910, 0.2350

Conversions

Conversions Part 2

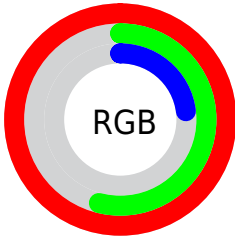
Format	Color
R_{YB}	255, 191, 59
Decimal	16747067
CIE Lab	69.29, 38.97, 59.56
CIE LCh	69, 71.178, 56.803
Yxy	39.7527, 0.5112, 0.3976
Android (android.graphics.Color)	4294937147 (0xFFFF8A3B)
YUV	163.9770, -51.7537, 79.8272
Hunter-Lab	63.0497, 34.3827, 35.5619

Details

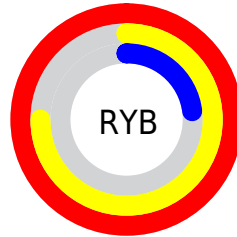
The XYZ color **51.1179, 39.7527, 9.1165** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.3778, 39.1981, 100.3085**, and the grayscale version is **35.4837, 37.3316, 40.6541**.

A 20% lighter version of the original color is **63.1792, 60.5476, 23.3959**, and **25.0660, 17.8620, 2.1266** is the 20% darker color. If you saturate the color by 10%, you get **48.5779, 35.4856, 5.7651**, and if you desaturate by 10%, it is **54.2884, 44.7653, 14.2703**.

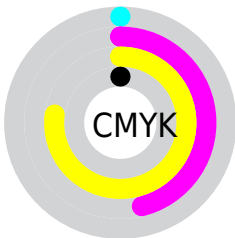
Distribution



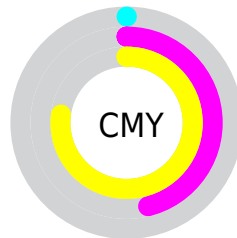
- Red (100%)
- Green (54%)
- Blue (23%)



- Red (100%)
- Yellow (75%)
- Blue (23%)



- Cyan (0%)
- Magenta (46%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (46%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1179, 39.7527, 9.1165 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 51.1179, 39.7527, 9.1165 by changing the saturation by 10% instead.


 51.1179, 39.7527,
9.1165


 51.1179, 39.7527,
9.1165


381.4018,
345.0801, 194.4946


 36.5239, 27.3458,
4.7194


 91.0110, 74.7868,
24.7012

 25.0110, 17.8331,
2.0277


 117.0407, 98.1827,
36.7259


 16.2141, 10.8302,
0.5723


 147.6131,
126.0105, 52.1302

 9.7676, 5.9528,
0.0000

 183.0935,
158.6545, 71.3326

 5.3062, 2.8164,
0.0000

 223.8472,
196.4990, 94.7517

 2.4646, 1.0366,
0.0000

 270.2396,

 0.8774, 0.0000,

239.9285, 122.8060

0.0000

322.6360,
289.3275, 155.9142

■ 0.0000, 0.0000,
0.0000

■ 51.1179, 39.7527,
9.1165

■ 51.1179, 39.7527,
9.1165

■ 48.5779, 35.4856,
5.7651

■ 54.2884, 44.7653,
14.2703

■ 46.6004, 31.9111,
3.9332

■ 58.1401, 50.5573,
21.4467

■ 46.0690, 30.9184,
3.5397

■ 62.7205, 57.1677,
30.8362

■ 68.0715, 64.6303,
42.6063

■ 74.2313, 72.9767,
56.9082

81.2355, 82.2370,
73.8805

89.1172, 92.4395,
93.6514

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.



60.9512, 39.7527, 20.6785



51.1179, 39.7527, 9.1165



39.0208, 39.7527, 5.9722

Triad

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



51.1179, 39.7527, 9.1165



19.8350, 39.7527, 39.8730



48.5687, 39.7527, 127.1064

Complementary

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



51.1179, 39.7527, 9.1165



35.3778, 39.1981, 100.3085

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.



36.5732, 39.7527, 141.2475



51.1179, 39.7527, 9.1165



21.3860, 39.7527, 78.2607

Square

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



51.1179, 39.7527, 9.1165



22.2343, 39.7527, 17.1862



26.9969, 39.7527, 120.0540



59.2835, 39.7527, 87.6201

Rectangle

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



51.1179, 39.7527, 9.1165



31.7880, 39.7527, 6.6896



26.9969, 39.7527, 120.0540



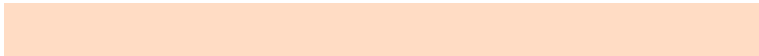
44.4896, 39.7527, 135.6347

Sweetspot

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



51.1188, 39.7548, 9.1172



76.8347, 76.4434, 63.1391



50.6999, 27.5465, 44.0313



15.9238, 15.6671, 12.2642



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.



51.1188, 39.7548, 9.1172



47.4967, 33.5657, 4.6561



71.8521, 81.2214, 16.0283



18.6104, 19.1889, 18.8673



24.2091, 16.4294, 1.8952



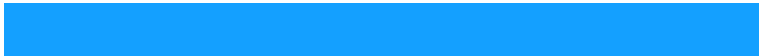
2.4609, 1.8071, 0.2191

Inverse Universe

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



35.3778, 39.1981, 100.3085



30.9929, 32.6653, 99.2793



22.6210, 13.6846, 96.0562



17.9047, 19.1811, 23.0086



15.4667, 15.8429, 51.6774



1.6131, 1.7569, 5.0674

Previews

White Background



This preview shows how the XYZ color 51.1179, 39.7527, 9.1165 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 51.1179, 39.7527, 9.1165 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 51.1179, 39.7527, 9.1165

Background



This preview shows how black text looks on a background with the XYZ color 51.1179, 39.7527, 9.1165.



This preview shows how white text looks on a background with the XYZ color 51.1179, 39.7527,

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

51.1179, 39.7527, 9.1165

Protanopia

36.4044, 39.9856, 11.2681

Deuteranopia

40.8053, 39.8838, 8.7965



Tritanopia

54.2990, 39.6856, 29.9975

Trichromacy



Original Color

51.1179, 39.7527, 9.1165

Protanomaly

40.6216, 38.9815, 10.3842

Deuteranomaly

44.0757, 39.5523, 8.9257

Tritanomaly

52.6343, 39.4579, 19.8809

Monochromacy



Original Color

51.1179, 39.7527, 9.1165

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.5132, 36.8194, 24.8156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1179, 39.7527, 9.1165 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, 138, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 59)  
}
```

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, 138, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 59) }
```

Border

The CSS property to change the border of an element to XYZ 51.1179, 39.7527, 9.1165 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, 138, 59) }
```


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

```
.border{ border-color:rgb(255, 138, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1179, 39.7527, 9.1165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 59) }
```

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

```
.background{ background-color: rgb(255,  
138, 59) }
```

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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