

Converting Colors

XYZ(51.2354, 40.2947, 8.2092)

Have a look what the booklet for
XYZ(51.2354, 40.2947, 8.2092)
contains.

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Color

**XYZ(51.2156, 40.2552,
8.2026)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8C33
RGB	255, 140, 51
RGB Percent	100%, 55%, 20%
CMY	0.0000, 0.4509, 0.8000
CMYK	0.00, 0.45, 0.80, 0.00
HSL	26°, 100%, 60%
HSV	26°, 80%, 100%
XYZ	51.2156, 40.2552, 8.2026
YIQ	164.2390, 97.1090, -3.2990

Conversions

Conversions Part 2

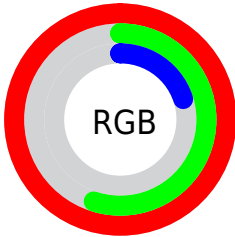
Format	Color
R_{YB}	255, 209, 51
Decimal	16747571
CIE Lab	69.65, 37.69, 63.21
CIE LCh	70, 73.589, 59.194
Yxy	40.2552, 0.5138, 0.4039
Android (android.graphics.Color)	4294937651 (0xFFFF8C33)
YUV	164.2390, -55.8268, 79.5974
Hunter-Lab	63.4470, 33.0563, 36.7477

Details

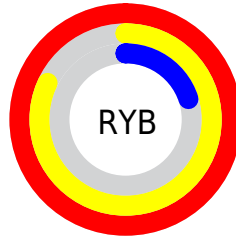
The XYZ color **51.2156, 40.2552, 8.2026** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.0503, 35.1940, 99.6581**, and the grayscale version is **35.6271, 37.4825, 40.8184**.

A 20% lighter version of the original color is **63.2538, 61.2897, 21.5930**, and **25.2280, 18.1859, 2.1806** is the 20% darker color. If you saturate the color by 10%, you get **48.8347, 36.1604, 5.3542**, and if you desaturate by 10%, it is **54.1805, 45.0262, 12.7647**.

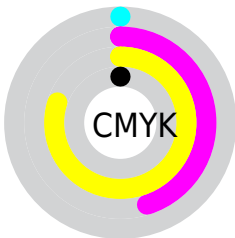
Distribution



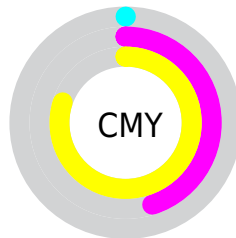
- Red (100%)
- Green (55%)
- Blue (20%)



- Red (100%)
- Yellow (82%)
- 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 51.2156, 40.2552, 8.2026 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 51.2156, 40.2552, 8.2026 by changing the saturation by 10% instead.


 51.2156, 40.2552,
8.2026


 51.2156, 40.2552,
8.2026


381.7747,
347.1980, 187.3061

 36.6020, 27.7376,
4.1352


 91.1545, 75.5520,
22.9074


 25.0717, 18.1279,
1.6998


 117.2104, 99.0999,
34.3818

 16.2595, 11.0419,
0.3606


 147.8112,
127.0934, 49.1624

 9.8000, 6.0950,
0.0000

 183.3221,
159.9168, 67.6677

 5.3278, 2.9029,
0.0000

 224.1086,
197.9546, 90.3162

 2.4776, 1.0813,
0.0000

 270.5360,

 0.8840, 0.0000,

241.5912, 117.5264

0.0000

322.9696,
291.2108, 149.7168

■ 0.0000, 0.0000,
0.0000

■ 51.2156, 40.2552,
8.2026

■ 51.2156, 40.2552,
8.2026

■ 48.8347, 36.1604,
5.3542

■ 54.1805, 45.0262,
12.7647

■ 46.9525, 32.6855,
3.8343

■ 57.7807, 50.5045,
19.2740

■ 46.9523, 32.6851,
3.8342

■ 62.0636, 56.7260,
27.9289

■ 67.0706, 63.7217,
38.9025

■ 72.8392, 71.5206,
52.3501

79.4040, 80.1497,
68.4134

86.7976, 89.6348,
87.2233

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



61.9117, 40.2552, 19.0091



51.2156, 40.2552, 8.2026



38.5841, 40.2552, 5.5360

Triad

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



51.2156, 40.2552, 8.2026



19.6407, 40.2552, 42.9157



50.5415, 40.2552, 129.5252

Complementary

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



51.2156, 40.2552, 8.2026



33.0503, 35.1940, 99.6581

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.



37.9404, 40.2552, 147.4182



51.2156, 40.2552, 8.2026



21.5620, 40.2552, 84.1903

Square

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



51.2156, 40.2552, 8.2026



21.7823, 40.2552, 18.1089



27.6994, 40.2552, 127.6363



61.4692, 40.2552, 86.6815

Rectangle

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



51.2156, 40.2552, 8.2026



31.2215, 40.2552, 6.5027



27.6994, 40.2552, 127.6363



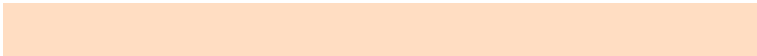
46.2871, 40.2552, 139.4058

Sweetspot

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



51.2165, 40.2574, 8.2033



76.6803, 76.5964, 61.6643



49.3618, 26.4030, 38.8606



15.9170, 15.7418, 11.9900



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.



51.2165, 40.2574, 8.2033



47.6581, 34.0069, 4.3450



73.4109, 84.6461, 15.6014



18.6614, 19.2909, 18.8843



24.6761, 17.3635, 2.0509



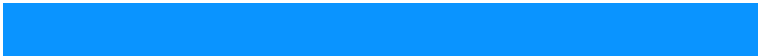
2.5090, 1.9034, 0.2351

Inverse Universe

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



33.0503, 35.1940, 99.6581



28.7977, 28.5258, 98.5960



21.2828, 11.6589, 95.7356



17.8526, 19.0769, 22.9912



14.7736, 14.4569, 51.4464



1.5472, 1.6252, 5.0454

Previews

White Background



This preview shows how the XYZ color 51.2156, 40.2552, 8.2026 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 51.2156, 40.2552, 8.2026 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 51.2156, 40.2552, 8.2026

Background



This preview shows how black text looks on a background with the XYZ color 51.2156, 40.2552, 8.2026.



This preview shows how white text looks on a background with the XYZ color 51.2156, 40.2552,

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

51.2156, 40.2552, 8.2026

Protanopia

36.8382, 40.5180, 10.0168

Deuteranopia

41.0879, 40.3112, 7.9008



Tritanopia

54.6476, 40.2632, 30.4825

Trichromacy



Original Color

51.2156, 40.2552, 8.2026

Protanomaly

41.0162, 39.7233, 9.2470

Deuteranomaly

44.3618, 39.9665, 7.9609

Tritanomaly

52.8045, 39.9724, 19.4004

Monochromacy



Original Color

51.2156, 40.2552, 8.2026

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 51.2156, 40.2552, 8.2026 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, 140, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 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, 140, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 51) }
```

Border

The CSS property to change the border of an element to XYZ 51.2156, 40.2552, 8.2026 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, 140, 51) }
```


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

```
.border{ border-color:rgb(255, 140, 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, 140, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2156, 40.2552, 8.2026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 51) }
```

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

```
.background{ background-color: rgb(255,  
140, 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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