

Converting Colors

XYZ(81.2482, 56.2124, 11.6901)

Have a look what the booklet for
XYZ(81.2482, 56.2124, 11.6901)
contains.

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Color

**XYZ(51.8964, 40.9993,
10.3327)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E42
RGB	255, 142, 66
RGB Percent	100%, 56%, 26%
CMY	0.0000, 0.4431, 0.7412
CMYK	0.00, 0.44, 0.74, 0.00
HSL	24°, 100%, 63%
HSV	24°, 74%, 100%
XYZ	51.8964, 40.9993, 10.3327
YIQ	167.1230, 91.7440, 0.3200

Conversions

Conversions Part 2

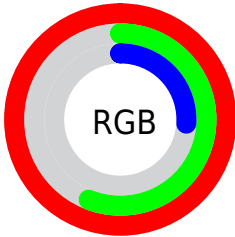
Format	Color
R _Y B	255, 193, 66
Decimal	16748098
CIE Lab	70.18, 37.22, 57.35
CIE LCh	70, 68.373, 57.017
Yxy	40.9993, 0.5027, 0.3972
Android (android.graphics.Color)	4294938178 (0xFFFF8E42)
YUV	167.1230, -49.8536, 77.0681
Hunter-Lab	64.0307, 32.6192, 35.2538

Details

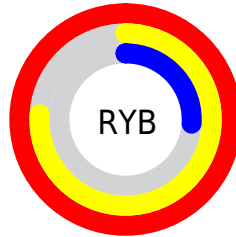
The XYZ color **51.8964, 40.9993, 10.3327** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.4158, 40.6163, 100.5276**, and the grayscale version is **36.9958, 38.9225, 42.3866**.

A 20% lighter version of the original color is **64.4763, 62.5005, 25.8051**, and **25.4437, 18.5385, 2.4957** is the 20% darker color. If you saturate the color by 10%, you get **49.1901, 36.5339, 6.5117**, and if you desaturate by 10%, it is **55.2496, 46.2234, 16.0216**.

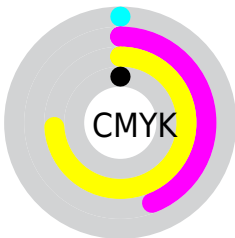
Distribution



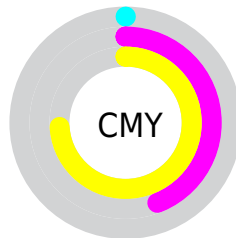
- Red (100%)
- Green (56%)
- Blue (26%)



- Red (100%)
- Yellow (76%)
- Blue (26%)



- Cyan (0%)
- Magenta (44%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8964, 40.9993, 10.3327 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 51.8964, 40.9993, 10.3327 by changing the saturation by 10% instead.


 51.8964, 40.9993,
10.3327


 51.8964, 40.9993,
10.3327


384.3671,
350.3177, 203.6007

 37.1464, 28.3185,
5.5116

 92.1536, 76.6828,
27.0370


 25.4951, 18.5659,
2.4865


 118.3915,
100.4544, 39.7572


 16.5770, 11.3570,
0.8330


 149.1894,
128.6917, 55.9476

 10.0268, 6.3075,
0.0000

 184.9128,
161.7791, 76.0267

 5.4791, 3.0330,
0.0000

 225.9268,
200.1010, 100.4130

 2.5686, 1.1490,
0.0000

272.5970,

 0.9300, 0.0194,

244.0418, 129.5251

0.0000

325.2886,
293.9859, 163.7815

■ 0.0000, 0.0000,
0.0000

■ 51.8964, 40.9993,
10.3327

■ 51.8964, 40.9993,
10.3327

■ 49.1901, 36.5339,
6.5117

■ 55.2496, 46.2234,
16.0216

■ 47.0671, 32.7764,
4.2978

■ 59.2982, 52.2392,
23.7882

■ 46.0452, 30.8707,
3.5318

■ 64.0884, 59.0847,
33.8160

■ 69.6610, 66.7934,
46.2678

■ 76.0535, 75.3965,
61.2908

83.3008, 84.9235,
79.0208

91.4356, 95.4027,
99.5836

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



61.4548, 40.9993, 22.0903



51.8964, 40.9993, 10.3327



40.0992, 40.9993, 7.0468

Triad

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



51.8964, 40.9993, 10.3327



21.1870, 40.9993, 41.5105



49.5839, 40.9993, 125.1286

Complementary

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



51.8964, 40.9993, 10.3327



36.4158, 40.6163, 100.5276

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.



37.8595, 40.9993, 138.8027



51.8964, 40.9993, 10.3327



22.7698, 40.9993, 78.8965

Square

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



51.8964, 40.9993, 10.3327



23.5614, 40.9993, 18.7942



28.3886, 40.9993, 118.8608



59.9501, 40.9993, 87.2979

Rectangle

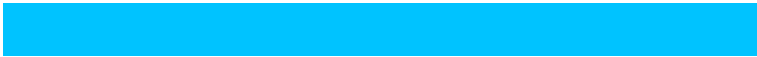
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8964, 40.9993, 10.3327



33.0041, 40.9993, 7.8384



28.3886, 40.9993, 118.8608



45.6117, 40.9993, 133.3066

Sweetspot

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



51.8973, 41.0015, 10.3334



77.5154, 77.3353, 64.8137



51.3654, 28.4275, 45.6404



16.1922, 16.0230, 12.9115



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.



51.8973, 41.0015, 10.3334



48.0849, 34.6135, 5.2485



72.2474, 81.7016, 17.1168



18.6089, 19.1860, 18.8668



24.1964, 16.4041, 1.8910



2.4595, 1.8044, 0.2187

Inverse Universe

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



36.4158, 40.6163, 100.5276



31.7579, 33.9228, 99.4817



23.5376, 14.8599, 96.2349



17.9062, 19.1840, 23.0091



15.4871, 15.8839, 51.6842



1.6150, 1.7608, 5.0680

Previews

White Background



This preview shows how the XYZ color 51.8964, 40.9993, 10.3327 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 51.8964, 40.9993, 10.3327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

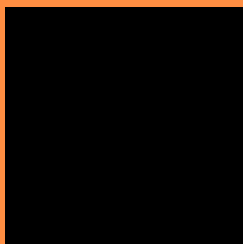
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8964, 40.9993, 10.3327

Background



This preview shows how black text looks on a background with the XYZ color 51.8964, 40.9993, 10.3327.



This preview shows how white text looks on a background with the XYZ color 51.8964, 40.9993,

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

51.8964, 40.9993, 10.3327

Protanopia

37.5084, 41.0894, 12.6108

Deuteranopia

41.9371, 40.9677, 9.9722



Tritanopia

55.1550, 40.9127, 31.7780

Trichromacy



Original Color

51.8964, 40.9993, 10.3327

Protanomaly

41.6461, 40.2538, 11.7057

Deuteranomaly

45.2240, 40.6135, 10.0131

Tritanomaly

53.4809, 40.6979, 21.5597

Monochromacy



Original Color

51.8964, 40.9993, 10.3327

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.8093, 38.2075, 26.3957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8964, 40.9993, 10.3327 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 66) }
```

Border

The CSS property to change the border of an element to XYZ 51.8964, 40.9993, 10.3327 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, 66) }
```


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

```
.border{ border-color:rgb(255, 142, 66) }
```

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, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8964, 40.9993, 10.3327 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
142, 66) }
```

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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