

Converting Colors

XYZ(51.5759, 41.2093, 7.6025)

Have a look what the booklet for
XYZ(51.5759, 41.2093, 7.6025)
contains.

XYZ(51.5171, 41.0868, 7.5982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.5171, 41.0868,
7.5982)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8F2C
RGB	255, 143, 44
RGB Percent	100%, 56%, 17%
CMY	0.0000, 0.4392, 0.8274
CMYK	0.00, 0.44, 0.83, 0.00
HSL	28°, 100%, 59%
HSV	28°, 83%, 100%
XYZ	51.5171, 41.0868, 7.5982
YIQ	165.2020, 98.5310, -7.0450

Conversions

Conversions Part 2

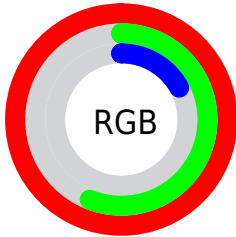
Format	Color
R _Y B	255, 231, 44
Decimal	16748332
CIE Lab	70.24, 35.96, 66.34
CIE LCh	70, 75.462, 61.542
Yxy	41.0868, 0.5141, 0.4100
Android (android.graphics.Color)	4294938412 (0xFFFF8F2C)
YUV	165.2020, -59.7526, 78.7528
Hunter-Lab	64.0990, 31.2893, 37.8411

Details

The XYZ color **51.5171, 41.0868, 7.5982** 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 **30.9764, 31.5308, 99.0604**, and the grayscale version is **36.1074, 37.9878, 41.3687**.

A 20% lighter version of the original color is **63.6862, 62.5490, 20.5209**, and **25.4793, 18.6886, 2.2644** is the 20% darker color. If you saturate the color by 10%, you get **49.2658, 37.1306, 5.1645**, and if you desaturate by 10%, it is **54.3093, 45.6552, 11.6625**.

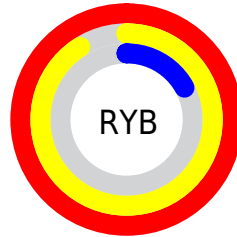
Distribution



Red (100%)

Green (56%)

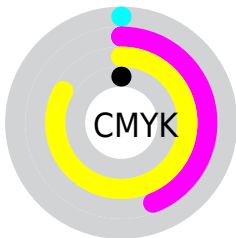
Blue (17%)



Red (100%)

Yellow (91%)

Blue (17%)

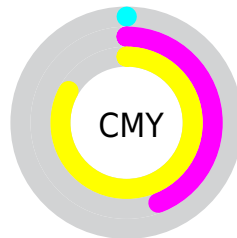


Cyan (0%)

Magenta (44%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5171, 41.0868, 7.5982 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 51.5171, 41.0868, 7.5982 by changing the saturation by 10% instead.


 51.5171, 41.0868,
7.5982


 51.5171, 41.0868,
7.5982


382.9241,
350.6833, 182.3609

 36.8430, 28.3869,
3.7549


 91.5971, 76.8156,
21.6999

 25.2591, 18.6175,
1.4919


 117.7338,
100.6134, 32.7954

 16.3999, 11.3942,
0.2118


 148.4220,
128.8792, 47.1453

 9.9002, 6.3327,
0.0000

 184.0272,
161.9975, 65.1683

 5.3946, 3.0484,
0.0000

 224.9146,
200.3527, 87.2828

 2.5177, 1.1571,
0.0000

 271.4497,

 0.9042, 0.0262,

244.3291, 113.9074

0.0000

323.9977,
294.3111, 145.4606

■ 0.0000, 0.0000,
0.0000

■ 51.5171, 41.0868,
7.5982

■ 51.5171, 41.0868,
7.5982

■ 49.2658, 37.1306,
5.1645

■ 54.3093, 45.6552,
11.6625

■ 47.9143, 34.6091,
4.1549

■ 57.6946, 50.8646,
17.6044

■ 61.7205, 56.7482,
25.6305

■ 66.4279, 63.3345,
35.9192

■ 71.8537, 70.6498,
48.6298

78.0320, 78.7189,
63.9069

84.9942, 87.5650,
81.8835

92.7700, 97.2104,
102.6835

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.



63.0314, 41.0868, 17.7271



51.5171, 41.0868, 7.5982



38.4154, 41.0868, 5.3491

Triad

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



51.5171, 41.0868, 7.5982



19.7749, 41.0868, 46.5943



52.8618, 41.0868, 131.5199

Complementary

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



51.5171, 41.0868, 7.5982



30.9764, 31.5308, 99.0604

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.



39.6952, 41.0868, 153.2159



51.5171, 41.0868, 7.5982



22.0864, 41.0868, 90.6669

Square

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



51.5171, 41.0868, 7.5982



21.6517, 41.0868, 19.4953



28.7793, 41.0868, 135.3167



63.9160, 41.0868, 85.6779

Rectangle

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



51.5171, 41.0868, 7.5982



30.9536, 41.0868, 6.5821



28.7793, 41.0868, 135.3167



48.4519, 41.0868, 142.7113

Sweetspot

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



51.5180, 41.0890, 7.5989



76.5710, 76.8316, 60.2288



48.1866, 25.4799, 34.0688



15.9191, 15.8327, 11.7233



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.



51.5180, 41.0890, 7.5989



48.0920, 34.9417, 4.2829



75.2513, 88.5556, 15.5100



18.7121, 19.3924, 18.9012



25.1830, 18.3772, 2.2199



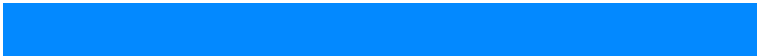
2.5602, 2.0058, 0.2522

Inverse Universe

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



30.9764, 31.5308, 99.0604



26.9630, 24.9985, 98.0118



20.2742, 10.1264, 95.4930



17.8013, 18.9741, 22.9741



14.1350, 13.1795, 51.2335



1.4857, 1.5021, 5.0249

Previews

White Background



This preview shows how the XYZ color 51.5171, 41.0868, 7.5982 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 51.5171, 41.0868, 7.5982 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 51.5171, 41.0868, 7.5982

Background



This preview shows how black text looks on a background with the XYZ color 51.5171, 41.0868, 7.5982.



This preview shows how white text looks on a background with the XYZ color 51.5171, 41.0868,

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

51.5171, 41.0868, 7.5982

Protanopia

37.5557, 41.4725, 9.2744

Deuteranopia

42.0158, 41.0674, 7.3024



Tritanopia

55.2965, 41.1957, 31.8252

Trichromacy



Original Color

51.5171, 41.0868, 7.5982

Protanomaly

41.7936, 40.6613, 8.5514

Deuteranomaly

45.1933, 40.9058, 7.3474

Tritanomaly

53.1794, 40.8079, 19.2612

Monochromacy



Original Color

51.5171, 41.0868, 7.5982

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.7969, 37.5002, 23.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5171, 41.0868, 7.5982 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, 143, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 44)  
}
```

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, 143, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 44) }
```

Border

The CSS property to change the border of an element to XYZ 51.5171, 41.0868, 7.5982 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, 143, 44) }
```


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

```
.border{ border-color:rgb(255, 143, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 143, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5171, 41.0868, 7.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 44) }
```

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

```
.background{ background-color: rgb(255,  
143, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor