

Converting Colors

XYZ(51.1893, 40.4631, 7.3908)

Have a look what the booklet for
XYZ(51.1893, 40.4631, 7.3908)
contains.

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Color

**XYZ(51.2009, 40.4842,
7.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8D2B
RGB	255, 141, 43
RGB Percent	100%, 55%, 17%
CMY	0.0000, 0.4470, 0.8314
CMYK	0.00, 0.45, 0.83, 0.00
HSL	28°, 100%, 58%
HSV	28°, 83%, 100%
XYZ	51.2009, 40.4842, 7.4011
YIQ	163.9140, 99.4020, -6.3100

Conversions

Conversions Part 2

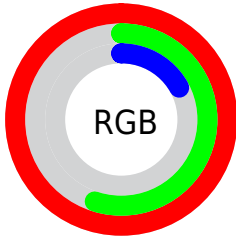
Format	Color
R _Y B	255, 225, 43
Decimal	16747819
CIE Lab	69.81, 36.95, 66.33
CIE LCh	70, 75.928, 60.880
Yxy	40.4842, 0.5167, 0.4086
Android (android.graphics.Color)	4294937899 (0xFFFF8D2B)
YUV	163.9140, -59.6106, 79.8824
Hunter-Lab	63.6272, 32.2916, 37.6424

Details

The XYZ color **51.2009, 40.4842, 7.4011** 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 **31.1022, 31.8455, 99.1145**, and the grayscale version is **35.4885, 37.3367, 40.6597**.

A 20% lighter version of the original color is **63.1845, 61.6217, 20.1193**, and **25.3106, 18.3512, 2.2081** is the 20% darker color. If you saturate the color by 10%, you get **48.9725, 36.5574, 5.0263**, and if you desaturate by 10%, it is **53.9731, 45.0327, 11.3972**.

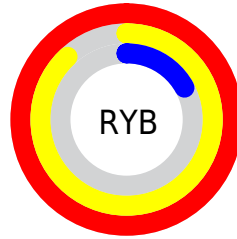
Distribution



Red (100%)

Green (55%)

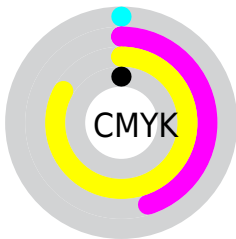
Blue (17%)



Red (100%)

Yellow (88%)

Blue (17%)

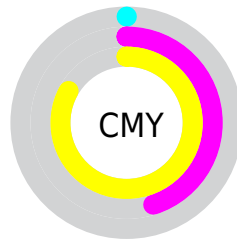


Cyan (0%)

Magenta (45%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2009, 40.4842, 7.4011 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 51.2009, 40.4842, 7.4011 by changing the saturation by 10% instead.


 51.2009, 40.4842,
7.4011


 51.2009, 40.4842,
7.4011


381.7186,
348.1602, 180.7116

 36.5902, 27.9163,
3.6320


 91.1329, 75.9003,
21.3021

 25.0626, 18.2626,
1.4257


 117.1849, 99.5172,
32.2711

 16.2527, 11.1386,
0.1616


 147.7814,
127.5859, 46.4771

 9.7951, 6.1602,
0.0000

 183.2877,
160.4908, 64.3387

 5.3245, 2.9427,
0.0000

 224.0693,
198.6163, 86.2744

 2.4756, 1.1019,
0.0000

 270.4914,

 0.8830, 0.0000,

242.3468, 112.7028

0.0000

322.9194,
292.0666, 144.0423

■ 0.0000, 0.0000,
0.0000

■ 51.2009, 40.4842,
7.4011

■ 51.2009, 40.4842,
7.4011

■ 48.9725, 36.5574,
5.0263

■ 53.9731, 45.0327,
11.3972

■ 47.7046, 34.1896,
4.0850

■ 57.3425, 50.2326,
17.2639

■ 61.3568, 56.1180,
25.2095

■ 66.0576, 62.7181,
35.4133

■ 71.4823, 70.0598,
48.0353

77.6653, 78.1686,
63.2207

84.6385, 87.0684,
81.1030

92.4318, 96.7819,
101.8066

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



62.6097, 40.4842, 17.6179



51.2009, 40.4842, 7.4011



38.1161, 40.4842, 5.0873

Triad

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



51.2009, 40.4842, 7.4011



19.3158, 40.4842, 45.1312



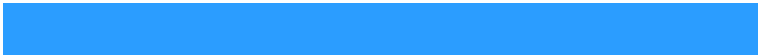
51.9674, 40.4842, 131.7444

Complementary

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



51.2009, 40.4842, 7.4011



31.1022, 31.8455, 99.1145

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.



38.8442, 40.4842, 152.7122



51.2009, 40.4842, 7.4011



21.5143, 40.4842, 88.8914

Square

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



51.2009, 40.4842, 7.4011



21.2682, 40.4842, 18.6160



28.0610, 40.4842, 133.9194



63.1146, 40.4842, 86.0403

Rectangle

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



51.2009, 40.4842, 7.4011



30.6361, 40.4842, 6.2164



28.0610, 40.4842, 133.9194



47.5578, 40.4842, 142.7511

Sweetspot

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



51.2018, 40.4864, 7.4018



76.4545, 76.5985, 60.1900



48.4139, 25.5119, 35.4475



15.8914, 15.7774, 11.7141



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.



51.2018, 40.4864, 7.4018



47.7050, 34.1899, 4.0850



74.1467, 86.3761, 15.0501



18.7014, 19.3710, 18.8976



25.0726, 18.1564, 2.1831



2.5491, 1.9836, 0.2485

Inverse Universe

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



31.1022, 31.8455, 99.1145



27.0119, 25.1439, 98.0373



20.3470, 10.3351, 95.5294



17.8121, 18.9957, 22.9777



14.2655, 13.4405, 51.2770



1.4983, 1.5274, 5.0291

Previews

White Background



This preview shows how the XYZ color 51.2009, 40.4842, 7.4011 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 51.2009, 40.4842, 7.4011 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 51.2009, 40.4842, 7.4011

Background



This preview shows how black text looks on a background with the XYZ color 51.2009, 40.4842, 7.4011.



This preview shows how white text looks on a background with the XYZ color 51.2009, 40.4842,

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

51.2009, 40.4842, 7.4011

Protanopia

36.8987, 40.5713, 9.0182

Deuteranopia

41.5137, 40.5494, 7.0776



Tritanopia

54.8619, 40.5711, 30.9261

Trichromacy



Original Color

51.2009, 40.4842, 7.4011

Protanomaly

41.1286, 39.8021, 8.3112

Deuteranomaly

44.5227, 40.0678, 7.1375

Tritanomaly

52.8395, 40.2129, 18.8868

Monochromacy



Original Color

51.2009, 40.4842, 7.4011

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.3046, 37.0033, 22.8928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2009, 40.4842, 7.4011 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, 141, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 43)  
}
```

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, 141, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 43) }
```

Border

The CSS property to change the border of an element to XYZ 51.2009, 40.4842, 7.4011 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, 141, 43) }
```


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

```
.border{ border-color:rgb(255, 141, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2009, 40.4842, 7.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 43) }
```

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

```
.background{ background-color: rgb(255,  
141, 43) }
```

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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