

Converting Colors

XYZ(54.7095, 47.8023, 7.6424)

Have a look what the booklet for
XYZ(54.7095, 47.8023, 7.6424)
contains.

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Color

**XYZ(54.7628, 47.9098,
7.6575)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA41F
RGB	255, 164, 31
RGB Percent	100%, 64%, 12%
CMY	0.0000, 0.3568, 0.8784
CMYK	0.00, 0.36, 0.88, 0.00
HSL	36°, 100%, 56%
HSV	36°, 88%, 100%
XYZ	54.7628, 47.9098, 7.6575
YIQ	176.0470, 96.9290, -22.0710

Conversions

Conversions Part 2

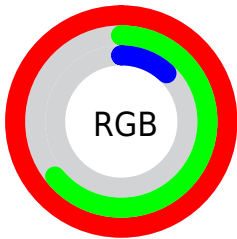
Format	Color
RYB	184, 255, 31
Decimal	16753695
CIELab	74.77, 24.82, 73.94
CIELCh	75, 77.995, 71.448
Yxy	47.9098, 0.4964, 0.4342
Android (android.graphics.Color)	4294943775 (0xFFFFA41F)
YUV	176.0470, -71.5082, 69.2418
Hunter-Lab	69.2169, 20.0954, 41.8926

Details

The XYZ color **54.7628, 47.9098, 7.6575** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **25.5745, 21.4300, 97.3956**, and the grayscale version is **41.6188, 43.7862, 47.6832**.

A 20% lighter version of the original color is **68.5033, 72.6957, 20.5464**, and **27.5324, 22.7948, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **52.7675, 44.2672, 5.9214**, and if you desaturate by 10%, it is **57.1728, 51.9640, 10.8233**.

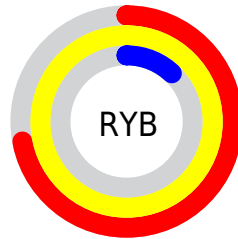
Distribution



Red (100%)

Green (64%)

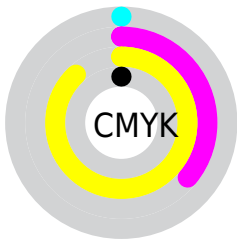
Blue (12%)



Red (72%)

Yellow (100%)

Blue (12%)

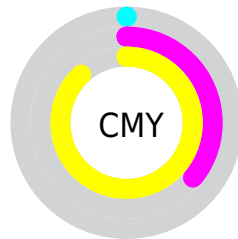


Cyan (0%)

Magenta (36%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7628, 47.9098, 7.6575 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 54.7628, 47.9098, 7.6575 by changing the saturation by 10% instead.


 54.7628, 47.9098,
7.6575


 54.7628, 47.9098,
7.6575


395.1632,
378.4345, 182.8535


 39.4449, 33.7555,
3.7920

 96.3437, 87.0701,
21.8192


 27.2883, 22.7058,
1.5119


 123.3374,
112.8448, 32.9524


 17.9276, 14.3764,
0.2268


 154.9538,
143.2618, 47.3453

 10.9974, 8.3829,
0.0000

 191.5582,
178.7055, 65.4164

 6.1324, 4.3409,
0.0000

 233.5160,
219.5602, 87.5842

 2.9672, 1.8661,
0.0000

 281.1925,

 1.1364, 0.5278,

266.2103, 114.2673

0.0000

334.9532,
319.0403, 145.8842

■ 0.0553, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.7628, 47.9098,
7.6575

■ 54.7628, 47.9098,
7.6575

■ 52.7675, 44.2672,
5.9214

■ 57.1728, 51.9640,
10.8233

■ 52.3727, 43.5258,
5.6410

■ 60.0544, 56.4520,
15.7150

■ 63.4541, 61.3997,
22.5569

■ 67.4110, 66.8280,
31.5386

71.9598, 72.7558,
42.8271

77.1319, 79.2004,
56.5725

82.9561, 86.1784,
72.9123

89.4592, 93.7049,
91.9734

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.



69.1522, 47.9098, 15.6964



54.7628, 47.9098, 7.6575



40.3425, 47.9098, 6.9824

Triad

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



54.7628, 47.9098, 7.6575



23.7205, 47.9098, 69.2281



66.0475, 47.9098, 135.1864

Complementary

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



54.7628, 47.9098, 7.6575



25.5745, 21.4300, 97.3956

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.



51.1589, 47.9098, 172.0296



54.7628, 47.9098, 7.6575



28.0220, 47.9098, 122.6994

Square

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



54.7628, 47.9098, 7.6575



24.2904, 47.9098, 31.0773



37.4100, 47.9098, 166.5474



76.5424, 47.9098, 81.1238

Rectangle

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



54.7628, 47.9098, 7.6575



32.7548, 47.9098, 9.9080



37.4100, 47.9098, 166.5474



61.2745, 47.9098, 151.0050

Sweetspot

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



54.7639, 47.9123, 7.6584



78.1546, 80.4448, 59.3818



45.3893, 23.7039, 21.3636



16.3205, 16.7207, 11.5943



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.



54.7639, 47.9123, 7.6584



52.3730, 43.5260, 5.6410



70.7100, 89.5085, 14.8468



18.9062, 19.7805, 18.9659



27.5165, 23.0442, 2.9977



2.7866, 2.4585, 0.3277

Inverse Universe

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



25.5745, 21.4300, 97.3956



22.9590, 17.0379, 96.6863



19.8393, 8.8701, 95.2736



17.6088, 18.5893, 22.9099



12.1340, 9.1776, 50.5665



1.2854, 1.1016, 4.9581

Previews

White Background



This preview shows how the XYZ color 54.7628, 47.9098, 7.6575 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 54.7628, 47.9098, 7.6575 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 54.7628, 47.9098, 7.6575

Background



This preview shows how black text looks on a background with the XYZ color 54.7628, 47.9098, 7.6575.



This preview shows how white text looks on a background with the XYZ color 54.7628, 47.9098,

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

54.7628, 47.9098, 7.6575

Protanopia

43.6953, 48.2414, 8.7588

Deuteranopia

49.0791, 48.0415, 7.4452



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

54.7628, 47.9098, 7.6575

Protanomaly

47.0769, 47.5732, 8.2914

Deuteranomaly

51.0140, 47.8968, 7.4760

Tritanomaly

56.8490, 47.3406, 22.9710

Monochromacy



Original Color

54.7628, 47.9098, 7.6575

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.5045, 43.9142, 24.9223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7628, 47.9098, 7.6575 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, 164, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 31)  
}
```

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, 164, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 31) }
```

Border

The CSS property to change the border of an element to XYZ 54.7628, 47.9098, 7.6575 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, 164, 31) }
```


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

```
.border{ border-color:rgb(255, 164, 31) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7628, 47.9098, 7.6575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 31) }
```

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

```
.background{ background-color: rgb(255,  
164, 31) }
```

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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