

# Converting Colors

XYZ(54.5722, 47.4513, 7.8323)

Have a look what the booklet for  
XYZ(54.5722, 47.4513, 7.8323)  
contains.

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# Color

**XYZ(54.6259, 47.5699,  
7.8162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA322
RGB	255, 163, 34
RGB Percent	100%, 64%, 13%
CMY	0.0000, 0.3608, 0.8666
CMYK	0.00, 0.36, 0.87, 0.00
HSL	35°, 100%, 57%
HSV	35°, 87%, 100%
XYZ	54.6259, 47.5699, 7.8162
YIQ	175.8020, 96.2410, -20.6150

# Conversions

## Conversions Part 2

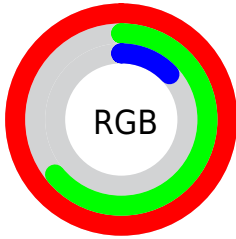
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 255, 34</a>
Decimal	<a href="#">16753442</a>
CIELab	<a href="#">74.55, 25.40, 73.01</a>
CIELCh	<a href="#">75, 77.296, 70.819</a>
Yxy	<a href="#">47.5699, 0.4965, 0.4324</a>
Android (android.graphics.Color)	<a href="#">4294943522 (0xFFFFA322)</a>
YUV	<a href="#">175.8020, -69.9084, 69.4566</a>
Hunter-Lab	<a href="#">68.9709, 20.6752, 41.5606</a>

# Details

The XYZ color **54.6259, 47.5699, 7.8162** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **26.1703, 22.4813, 97.5669**, and the grayscale version is **41.4828, 43.6431, 47.5274**.

A 20% lighter version of the original color is **68.3318, 72.2110, 20.9263**, and **27.4227, 22.5753, 2.9121** is the 20% darker color. If you saturate the color by 10%, you get **52.5783, 43.8626, 5.9394**, and if you desaturate by 10%, it is **57.1054, 51.7072, 11.1775**.

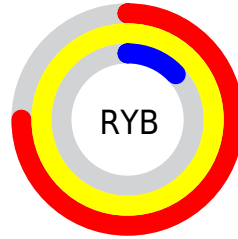
# Distribution



Red (100%)

Green (64%)

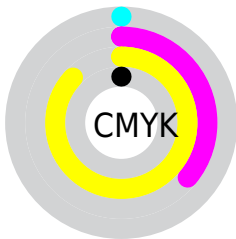
Blue (13%)



Red (75%)

Yellow (100%)

Blue (13%)

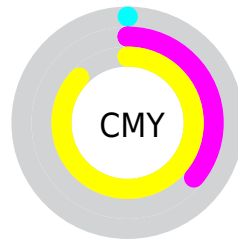


Cyan (0%)

Magenta (36%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6259, 47.5699, 7.8162 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 54.6259, 47.5699, 7.8162 by changing the saturation by 10% instead.




 54.6259, 47.5699,  
7.8162


 54.6259, 47.5699,  
7.8162


394.6518,  
377.0848, 184.1636

 39.3349, 33.4864,  
3.8915


 96.1441, 86.5637,  
22.1375


 27.2023, 22.4993,  
1.5660


 123.1021,  
112.2428, 33.3712


 17.8626, 14.2243,  
0.2664


 154.6799,  
142.5558, 47.8783

 10.9505, 8.2768,  
0.0000

 191.2427,  
177.8873, 66.0773

 6.1006, 4.2726,  
0.0000

 233.1559,  
218.6215, 88.3868

 2.9476, 1.8272,  
0.0000

 280.7849,

 1.1261, 0.5040,

265.1429, 115.2253

0.0000

334.4951,  
317.8359, 147.0114

■ 0.0468, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.6259, 47.5699,  
7.8162

■ 54.6259, 47.5699,  
7.8162

■ 52.5783, 43.8626,  
5.9394

■ 57.1054, 51.7072,  
11.1775

■ 51.9636, 42.7078,  
5.5047

■ 60.0693, 56.2953,  
16.2957

■ 63.5636, 61.3604,  
23.3903

■ 67.6270, 66.9236,  
32.6479

72.2940, 73.0041,  
44.2334

77.5958, 79.6198,  
58.2953

83.5613, 86.7871,  
74.9696

90.2174, 94.5220,  
94.3827

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.



68.7409, 47.5699, 16.0270



54.6259, 47.5699, 7.8162



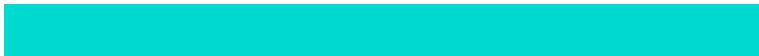
40.3567, 47.5699, 7.0218

# Triad

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



54.6259, 47.5699, 7.8162



23.6289, 47.5699, 67.6197



65.1437, 47.5699, 134.5516

# Complementary

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



54.6259, 47.5699, 7.8162



26.1703, 22.4813, 97.5669

# 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.



50.4457, 47.5699, 170.0597



54.6259, 47.5699, 7.8162



27.7798, 47.5699, 120.1126

# Square

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



54.6259, 47.5699, 7.8162



24.2927, 47.5699, 30.4085



36.9501, 47.5699, 163.7266



75.6256, 47.5699, 81.4053



# Rectangle

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



54.6259, 47.5699, 7.8162



32.8007, 47.5699, 9.8378



36.9501, 47.5699, 163.7266



60.4194, 47.5699, 149.9333

# Sweetspot

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



54.6270, 47.5724, 7.8171



77.9718, 80.0792, 59.3208



45.5833, 23.9128, 21.9811



16.2771, 16.6338, 11.5799



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.



54.6270, 47.5724, 7.8171



51.9641, 42.7082, 5.5047



70.8344, 89.5677, 15.0688



18.8904, 19.7490, 18.9606



27.3032, 22.6177, 2.9266



2.7663, 2.4181, 0.3209



# Inverse Universe

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



26.1703, 22.4813, 97.5669



23.2193, 17.5585, 96.7731



20.0600, 9.1057, 95.3072



17.6242, 18.6200, 22.9151



12.2717, 9.4531, 50.6124



1.2997, 1.1301, 4.9629



# Previews

## White Background



This preview shows how the XYZ color 54.6259, 47.5699, 7.8162 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 54.6259, 47.5699, 7.8162 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 54.6259, 47.5699, 7.8162**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6259, 47.5699, 7.8162.



This preview shows how white text looks on a background with the XYZ color 54.6259, 47.5699,



# 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

54.6259, 47.5699, 7.8162

### Protanopia

43.2556, 47.6996, 8.9346

### Deuteranopia

48.6012, 47.5025, 7.5846



## Tritanopia

59.7529, 47.4193, 41.6008

# Trichromacy



## Original Color

54.6259, 47.5699, 7.8162

## Protanomaly

46.6157, 47.0379, 8.4560

## Deuteranomaly

50.5317, 47.3634, 7.6411

## Tritanomaly

56.6777, 46.9981, 22.9139

# Monochromacy



## Original Color

54.6259, 47.5699, 7.8162

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.3778, 43.5602, 25.1905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6259, 47.5699, 7.8162 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, 163, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 34)  
}
```

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, 163, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6259, 47.5699, 7.8162 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, 163, 34) }
```



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

```
.border{ border-color:rgb(255, 163, 34) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
34) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6259, 47.5699, 7.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 34) }
```

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

```
.background{ background-color: rgb(255,  
163, 34) }
```

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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