

Converting Colors

XYZ(55.0168, 47.8576, 9.4697)

Have a look what the booklet for
XYZ(55.0168, 47.8576, 9.4697)
contains.

XYZ(54.9347, 47.6934, 9.4423)	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(54.9347, 47.6934,
9.4423)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA333
RGB	255, 163, 51
RGB Percent	100%, 64%, 20%
CMY	0.0000, 0.3608, 0.8000
CMYK	0.00, 0.36, 0.80, 0.00
HSL	33°, 100%, 60%
HSV	33°, 80%, 100%
XYZ	54.9347, 47.6934, 9.4423
YIQ	177.7400, 90.7840, -15.3280

Conversions

Conversions Part 2

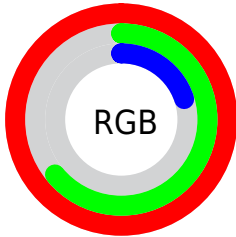
Format	Color
R _Y B	219, 255, 51
Decimal	16753459
CIE Lab	74.63, 25.84, 67.73
CIE LCh	75, 72.496, 69.119
Yxy	47.6934, 0.4902, 0.4256
Android (android.graphics.Color)	4294943539 (0xFFFFA333)
YUV	177.7400, -62.4828, 67.7570
Hunter-Lab	69.0604, 21.1337, 40.2358

Details

The XYZ color **54.9347, 47.6934, 9.4423** 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 **29.2370, 27.5674, 98.3870**, and the grayscale version is **42.4670, 44.6786, 48.6550**.

A 20% lighter version of the original color is **68.9129, 72.4434, 23.9865**, and **27.4227, 22.5753, 2.9121** is the 20% darker color. If you saturate the color by 10%, you get **52.5692, 43.6293, 6.5991**, and if you desaturate by 10%, it is **57.7958, 52.2569, 13.9700**.

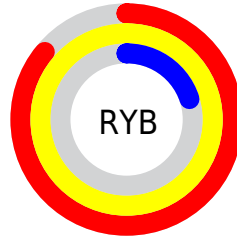
Distribution



Red (100%)

Green (64%)

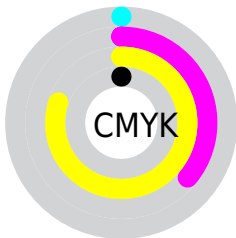
Blue (20%)



Red (86%)

Yellow (100%)

Blue (20%)

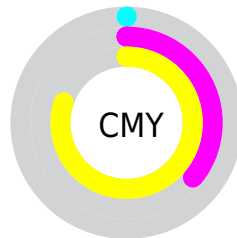


Cyan (0%)

Magenta (36%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9347, 47.6934, 9.4423 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 54.9347, 47.6934, 9.4423 by changing the saturation by 10% instead.


 54.9347, 47.6934,
9.4423


 54.9347, 47.6934,
9.4423


395.8048,
377.5755, 196.9820


 39.5831, 33.5841,
4.9301

 96.5942, 86.7477,
25.3323


 27.3964, 22.5743,
2.1483


 123.6327,
112.4616, 37.5471

 18.0093, 14.2795,
0.6443


 155.2976,
142.8125, 53.1666

 11.0564, 8.3153,
0.0000

 191.9542,
178.1847, 72.6092

 6.1723, 4.2974,
0.0000

 233.9679,
218.9628, 96.2935

 2.9918, 1.8413,
0.0000

 281.7039,

 1.1494, 0.5127,

265.5310, 124.6380

0.0000

335.5278,
318.2738, 158.0613

■ 0.0659, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9347, 47.6934,
9.4423

■ 54.9347, 47.6934,
9.4423

■ 52.5692, 43.6293,
6.5991

■ 57.7958, 52.2569,
13.9700

■ 50.6191, 40.0186,
5.0566

■ 61.1982, 57.3394,
20.4134

■ 50.6188, 40.0181,
5.0564

■ 65.1844, 62.9675,
28.9694

■ 69.7912, 69.1628,
39.8098

■ 75.0516, 75.9454,
53.0881

■ 80.9964, 83.3342,
68.9448

■ 87.6538, 91.3469,
87.5094

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.



67.8658, 47.6934, 18.3738



54.9347, 47.6934, 9.4423



41.4480, 47.6934, 8.2645

Triad

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



54.9347, 47.6934, 9.4423



24.6997, 47.6934, 64.2476



63.1913, 47.6934, 130.6125

Complementary

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



54.9347, 47.6934, 9.4423



29.2370, 27.5674, 98.3870

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.



49.4496, 47.6934, 160.9772



54.9347, 47.6934, 9.4423



28.4348, 47.6934, 112.1834

Square

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



54.9347, 47.6934, 9.4423



25.6035, 47.6934, 30.1931



36.9176, 47.6934, 152.9635



73.2358, 47.6934, 82.1872

Rectangle

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



54.9347, 47.6934, 9.4423



34.1258, 47.6934, 10.9218



36.9176, 47.6934, 152.9635



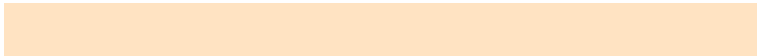
58.7547, 47.6934, 144.1231

Sweetspot

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



54.9358, 47.6959, 9.4432



78.5343, 80.3043, 62.2823



47.6276, 25.7094, 29.7285



16.3604, 16.6286, 12.1378



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.



54.9358, 47.6959, 9.4432



51.3614, 41.4134, 5.5794



75.1394, 91.7513, 16.8819



18.8361, 19.6404, 18.9425



26.6010, 21.2131, 2.6925



2.6992, 2.2838, 0.2986

Inverse Universe

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



29.2370, 27.5674, 98.3870



24.9656, 20.8617, 97.3186



20.9674, 10.4816, 95.5250



17.6776, 18.7267, 22.9329



12.7788, 10.4672, 50.7814



1.3515, 1.2338, 4.9802

Previews

White Background



This preview shows how the XYZ color 54.9347, 47.6934, 9.4423 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 54.9347, 47.6934, 9.4423 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 54.9347, 47.6934, 9.4423

Background



This preview shows how black text looks on a background with the XYZ color 54.9347, 47.6934, 9.4423.



This preview shows how white text looks on a background with the XYZ color 54.9347, 47.6934,

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

54.9347, 47.6934, 9.4423

Protanopia

43.3326, 47.6982, 10.7937

Deuteranopia

48.7781, 47.8461, 9.2491



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

54.9347, 47.6934, 9.4423

Protanomaly

46.9554, 47.1738, 10.2451

Deuteranomaly

51.0316, 47.8645, 9.3454

Tritanomaly

57.2762, 47.5115, 25.2206

Monochromacy



Original Color

54.9347, 47.6934, 9.4423

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.5620, 44.6749, 28.1042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9347, 47.6934, 9.4423 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 51) }
```

Border

The CSS property to change the border of an element to XYZ 54.9347, 47.6934, 9.4423 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, 51) }
```


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

```
.border{ border-color:rgb(255, 163, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9347, 47.6934, 9.4423 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
163, 51) }
```

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