

Converting Colors

XYZ(53.9128, 45.4093, 9.8439)

Have a look what the booklet for
XYZ(53.9128, 45.4093, 9.8439)
contains.

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Color

**XYZ(53.8670, 45.3323,
9.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9C39
RGB	255, 156, 57
RGB Percent	100%, 61%, 22%
CMY	0.0000, 0.3882, 0.7765
CMYK	0.00, 0.39, 0.78, 0.00
HSL	30°, 100%, 61%
HSV	30°, 78%, 100%
XYZ	53.8670, 45.3323, 9.7818
YIQ	174.3150, 90.7830, -9.8010

Conversions

Conversions Part 2

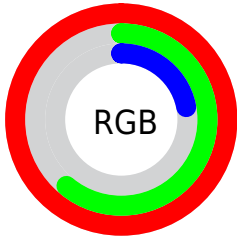
Format	Color
RYB	255, 255, 57
Decimal	16751673
CIELab	73.11, 29.68, 64.06
CIELCh	73, 70.605, 65.142
Yxy	45.3323, 0.4943, 0.4160
Android (android.graphics.Color)	4294941753 (0xFFFF9C39)
YUV	174.3150, -57.8363, 70.7607
Hunter-Lab	67.3293, 24.9833, 38.5167

Details

The XYZ color **53.8670, 45.3323, 9.7818** 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 **31.6251, 31.8653, 99.0909**, and the grayscale version is **40.6511, 42.7681, 46.5745**.

A 20% lighter version of the original color is **67.4035, 68.9962, 24.8040**, and **26.6885, 21.1071, 2.6674** is the 20% darker color. If you saturate the color by 10%, you get **51.3550, 41.0840, 6.5547**, and if you desaturate by 10%, it is **56.9246, 50.1621, 14.7654**.

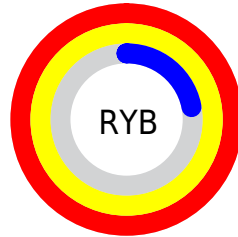
Distribution



Red (100%)

Green (61%)

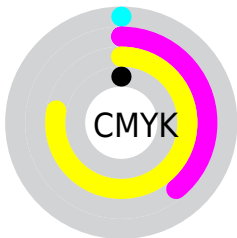
Blue (22%)



Red (100%)

Yellow (100%)

Blue (22%)

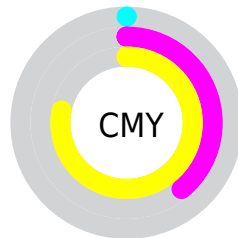


Cyan (0%)

Magenta (39%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8670, 45.3323, 9.7818 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 53.8670, 45.3323, 9.7818 by changing the saturation by 10% instead.


 53.8670, 45.3323,
9.7818


 53.8670, 45.3323,
9.7818


391.8093,
368.1177, 199.5355


 38.7256, 31.7192,
5.1508

 95.0370, 83.2188,
25.9856

 26.7261, 21.1471,
2.2757


 121.7962,
108.2611, 38.3956


 17.5031, 13.2316,
0.7176


 153.1588,
137.8819, 54.2356

 10.6914, 7.5882,
0.0000

 189.4901,
172.4657, 73.9242

 5.9255, 3.8326,
0.0000

 231.1555,
212.3967, 97.8799

 2.8400, 1.5804,
0.0000

 278.5202,

 1.0697, 0.3443,

258.0595, 126.5214

0.0000

331.9497,
309.8383, 160.2670

■ 0.0000, 0.0000,
0.0000

■ 53.8670, 45.3323,
9.7818

■ 53.8670, 45.3323,
9.7818

■ 51.3550, 41.0840,
6.5547

■ 56.9246, 50.1621,
14.7654

■ 49.3231, 37.3740,
4.7867

■ 60.5736, 55.5964,
21.7268

■ 48.8948, 36.5700,
4.4817

■ 64.8568, 61.6644,
30.8570

■ 69.8118, 68.3908,
42.3235

■ 75.4728, 75.7986,
56.2770

81.8712, 83.9096,
72.8557

89.0365, 92.7443,
92.1873

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.



65.5839, 45.3323, 19.6369



53.8670, 45.3323, 9.7818



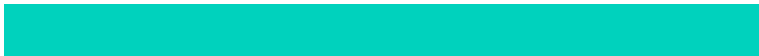
40.9922, 45.3323, 7.8718

Triad

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



53.8670, 45.3323, 9.7818



23.4899, 45.3323, 55.7132



58.2623, 45.3323, 128.5357

Complementary

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



53.8670, 45.3323, 9.7818



31.6251, 31.8653, 99.0909

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.



45.2520, 45.3323, 152.8894



53.8670, 45.3323, 9.7818



26.4313, 45.3323, 99.8044

Square

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



53.8670, 45.3323, 9.7818



24.9234, 45.3323, 25.9236



33.8506, 45.3323, 140.4296



68.4426, 45.3323, 83.8469

Rectangle

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



53.8670, 45.3323, 9.7818



33.7596, 45.3323, 9.8305



33.8506, 45.3323, 140.4296



53.9913, 45.3323, 140.1429

Sweetspot

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



53.8680, 45.3347, 9.7826



78.3522, 79.4786, 63.6450



48.7039, 26.5868, 34.0178



16.2884, 16.3964, 12.3858



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.



53.8680, 45.3347, 9.7826



50.2131, 39.0335, 5.4535



77.7381, 93.0749, 17.7393



18.7598, 19.4878, 18.9171



25.6980, 19.4073, 2.3916



2.6113, 2.1080, 0.2693

Inverse Universe

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



31.6251, 31.8653, 99.0909



27.1598, 25.0734, 98.0159



21.2007, 11.0165, 95.6162



17.7534, 18.8783, 22.9581



13.5797, 12.0690, 51.0484



1.4314, 1.3935, 5.0068

Previews

White Background



This preview shows how the XYZ color 53.8670, 45.3323, 9.7818 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 53.8670, 45.3323, 9.7818 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 53.8670, 45.3323, 9.7818

Background



This preview shows how black text looks on a background with the XYZ color 53.8670, 45.3323, 9.7818.



This preview shows how white text looks on a background with the XYZ color 53.8670, 45.3323, 9.7818.

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

53.8670, 45.3323, 9.7818

Protanopia

41.3059, 45.4189, 11.2923

Deuteranopia

46.5468, 45.5425, 9.5861



Tritanopia

58.2455, 45.2581, 38.4667

Trichromacy



Original Color

53.8670, 45.3323, 9.7818

Protanomaly

45.2240, 44.8349, 10.6853

Deuteranomaly

49.2271, 45.5433, 9.6862

Tritanomaly

55.9811, 45.1216, 24.1712

Monochromacy



Original Color

53.8670, 45.3323, 9.7818

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.5441, 41.9726, 27.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8670, 45.3323, 9.7818 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, 156, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 57)  
}
```

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, 156, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 57) }
```

Border

The CSS property to change the border of an element to XYZ 53.8670, 45.3323, 9.7818 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, 156, 57) }
```


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

```
.border{ border-color:rgb(255, 156, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8670, 45.3323, 9.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 57) }
```

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

```
.background{ background-color: rgb(255,  
156, 57) }
```

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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