

Converting Colors

XYZ(70.5597, 53.0947, 10.3452)

Have a look what the booklet for
XYZ(70.5597, 53.0947, 10.3452)
contains.

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Color

**XYZ(53.3698, 44.3379,
9.6161)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9939
RGB	255, 153, 57
RGB Percent	100%, 60%, 22%
CMY	0.0000, 0.4000, 0.7765
CMYK	0.00, 0.40, 0.78, 0.00
HSL	29°, 100%, 61%
HSV	29°, 78%, 100%
XYZ	53.3698, 44.3379, 9.6161
YIQ	172.5540, 91.6080, -8.2320

Conversions

Conversions Part 2

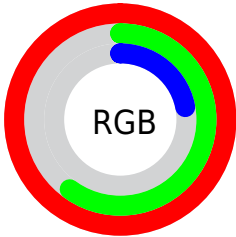
Format	Color
R _Y B	255, 243, 57
Decimal	16750905
CIE Lab	72.45, 31.23, 63.44
CIE LCh	72, 70.712, 63.789
Yxy	44.3379, 0.4973, 0.4131
Android (android.graphics.Color)	4294940985 (0xFFFF9939)
YUV	172.5540, -56.9681, 72.3051
Hunter-Lab	66.5867, 26.5425, 38.0483

Details

The XYZ color **53.3698, 44.3379, 9.6161** 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 **32.1347, 32.8845, 99.2608**, and the grayscale version is **39.7427, 41.8124, 45.5337**.

A 20% lighter version of the original color is **66.6103, 67.4975, 24.2694**, and **26.3919, 20.5138, 2.5686** is the 20% darker color. If you saturate the color by 10%, you get **50.8531, 40.0802, 6.3874**, and if you desaturate by 10%, it is **56.4442, 49.2012, 14.6053**.

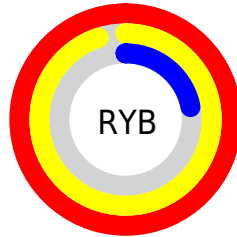
Distribution



Red (100%)

Green (60%)

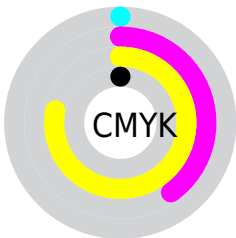
Blue (22%)



Red (100%)

Yellow (95%)

Blue (22%)

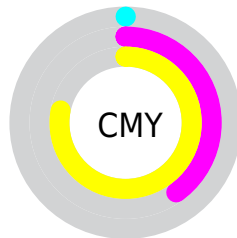


Cyan (0%)

Magenta (40%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3698, 44.3379, 9.6161 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 53.3698, 44.3379, 9.6161 by changing the saturation by 10% instead.


 53.3698, 44.3379,
9.6161


 53.3698, 44.3379,
9.6161


389.9400,
364.0854, 198.2939


 38.3267, 30.9362,
5.0429


 94.3106, 81.7260,
25.6673


 26.4147, 20.5503,
2.2133


 120.9391,
106.4811, 37.9824

 17.2685, 12.7957,
0.6820


 152.1601,
135.7896, 53.7152

 10.5226, 7.2880,
0.0000

 188.3389,
170.0358, 73.2843

 5.8117, 3.6429,
0.0000

 229.8409,
209.6041, 97.1082

 2.7705, 1.4759,
0.0000

 277.0316,

 1.0336, 0.2716,

254.8788, 125.6054

0.0000

330.2761,
306.2445, 159.1944

■ 0.0000, 0.0000,
0.0000

■ 53.3698, 44.3379,
9.6161

■ 53.3698, 44.3379,
9.6161

■ 50.8531, 40.0802,
6.3874

■ 56.4442, 49.2012,
14.6053

■ 48.8280, 36.3838,
4.6216

■ 60.1227, 54.6946,
21.5766

■ 48.4028, 35.5861,
4.3177

■ 64.4489, 60.8487,
30.7211

■ 69.4611, 67.6893,
42.2066

■ 75.1938, 75.2406,
56.1841

81.6791, 83.5255,
72.7918

88.9471, 92.5655,
92.1576

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.



64.7872, 44.3379, 19.7330



53.3698, 44.3379, 9.6161



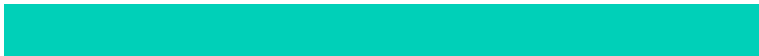
40.6114, 44.3379, 7.4903

Triad

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



53.3698, 44.3379, 9.6161



22.8081, 44.3379, 52.8511



56.5731, 44.3379, 128.3553

Complementary

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



53.3698, 44.3379, 9.6161



32.1347, 32.8845, 99.2608

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.



43.7103, 44.3379, 151.0634



53.3698, 44.3379, 9.6161



25.5040, 44.3379, 96.0799

Square

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



53.3698, 44.3379, 9.6161



24.4115, 44.3379, 24.2759



32.6106, 44.3379, 137.0612



66.8730, 44.3379, 84.4253

Rectangle

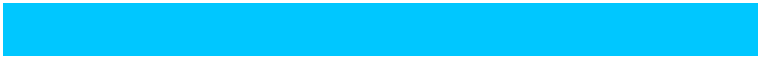
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3698, 44.3379, 9.6161



33.3737, 44.3379, 9.2127



32.6106, 44.3379, 137.0612



52.3251, 44.3379, 139.4809

Sweetspot

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



53.3708, 44.3402, 9.6169



78.1117, 78.9974, 63.5648



48.9872, 26.7001, 35.5098



16.2305, 16.2805, 12.3665



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.



53.3708, 44.3402, 9.6169



49.7135, 38.0342, 5.2870



76.6944, 90.9874, 17.3914



18.7363, 19.4408, 18.9093



25.4398, 18.8907, 2.3055



2.5858, 2.0570, 0.2607

Inverse Universe

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



32.1347, 32.8845, 99.2608



27.6763, 26.1065, 98.1881



21.3692, 11.3535, 95.6723



17.7769, 18.9254, 22.9660



13.8477, 12.6050, 51.1377



1.4577, 1.4461, 5.0156

Previews

White Background



This preview shows how the XYZ color 53.3698, 44.3379, 9.6161 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 53.3698, 44.3379, 9.6161 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 53.3698, 44.3379, 9.6161

Background



This preview shows how black text looks on a background with the XYZ color 53.3698, 44.3379, 9.6161.



This preview shows how white text looks on a background with the XYZ color 53.3698, 44.3379,

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

53.3698, 44.3379, 9.6161

Protanopia

40.3990, 44.3531, 11.2822

Deuteranopia

45.2169, 44.3029, 9.3001



Tritanopia

57.5196, 44.2181, 36.9558

Trichromacy



Original Color

53.3698, 44.3379, 9.6161

Protanomaly

44.2437, 43.7729, 10.5320

Deuteranomaly

48.0007, 44.1136, 9.3530

Tritanomaly

55.3776, 44.1110, 23.3648

Monochromacy



Original Color

53.3698, 44.3379, 9.6161

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.3616, 41.6076, 27.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3698, 44.3379, 9.6161 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, 153, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 57) }
```

Border

The CSS property to change the border of an element to XYZ 53.3698, 44.3379, 9.6161 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, 153, 57) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3698, 44.3379, 9.6161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 57) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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