

Converting Colors

XYZ(52.6089, 43.0417, 8.6671)

Have a look what the booklet for
XYZ(52.6089, 43.0417, 8.6671)
contains.

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Color

**XYZ(52.5850, 42.9939,
8.6591)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9533
RGB	255, 149, 51
RGB Percent	100%, 58%, 20%
CMY	0.0000, 0.4157, 0.8000
CMYK	0.00, 0.42, 0.80, 0.00
HSL	29°, 100%, 60%
HSV	29°, 80%, 100%
XYZ	52.5850, 42.9939, 8.6591
YIQ	169.5220, 94.6340, -8.0060

Conversions

Conversions Part 2

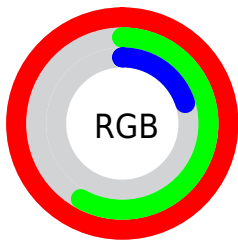
Format	Color
R_{YB}	255, 240, 51
Decimal	16749875
CIE _{Lab}	71.55, 33.09, 64.94
CIE _{LCh}	72, 72.888, 62.998
Yxy	42.9939, 0.5045, 0.4125
Android (android.graphics.Color)	4294939955 (0xFFFF9533)
YUV	169.5220, -58.4313, 74.9642
Hunter-Lab	65.5697, 28.4047, 38.0690

Details

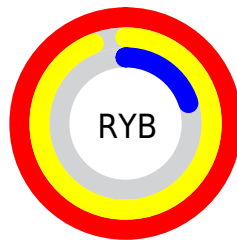
The XYZ color **52.5850, 42.9939, 8.6591** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.4714, 32.0361, 99.1320**, and the grayscale version is **38.2202, 40.2107, 43.7894**.

A 20% lighter version of the original color is **65.3827, 65.4657, 22.5547**, and **26.0129, 19.7559, 2.4422** is the 20% darker color. If you saturate the color by 10%, you get **50.1908, 38.8725, 5.8062**, and if you desaturate by 10%, it is **55.5274, 47.7199, 13.2138**.

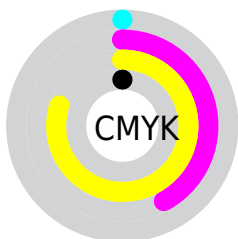
Distribution



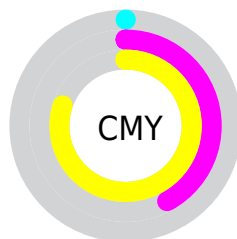
- Red (100%)
- Green (58%)
- Blue (20%)



- Red (100%)
- Yellow (94%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5850, 42.9939, 8.6591 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 52.5850, 42.9939, 8.6591 by changing the saturation by 10% instead.


 52.5850, 42.9939,
8.6591

 52.5850, 42.9939,
8.6591


386.9779,
358.5867, 190.9375

 37.6977, 29.8803,
4.4257

 93.1625, 79.7017,
23.8079


 25.9243, 19.7478,
1.8617


 119.5835,
104.0646, 35.5605

 16.8994, 12.2118,
0.4682


 150.5798,
132.9462, 50.6565

 10.2577, 6.8881,
0.0000

 186.5167,
166.7307, 69.5145

 5.6337, 3.3922,
0.0000

 227.7596,
205.8027, 92.5531

 2.6622, 1.3398,
0.0000

 274.6739,

 0.9777, 0.1717,

250.5464, 120.1907

0.0000

327.6248,
301.3462, 152.8460

■ 0.0000, 0.0000,
0.0000

■ 52.5850, 42.9939,
8.6591

■ 52.5850, 42.9939,
8.6591

■ 50.1908, 38.8725,
5.8062

■ 55.5274, 47.7199,
13.2138

■ 48.2619, 35.3043,
4.2708

■ 59.0668, 53.0765,
19.7029

■ 48.2617, 35.3038,
4.2706

■ 63.2483, 59.0952,
28.3240

■ 68.1113, 65.8029,
39.2497

■ 73.6913, 73.2245,
52.6346

■ 80.0211, 81.3834,
68.6196

■ 87.1312, 90.3018,
87.3351

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.



64.1136, 42.9939, 18.7420



52.5850, 42.9939, 8.6591



39.6384, 42.9939, 6.4991

Triad

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



52.5850, 42.9939, 8.6591



21.4862, 42.9939, 50.4504



55.1640, 42.9939, 129.8279

Complementary

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



52.5850, 42.9939, 8.6591



31.4714, 32.0361, 99.1320

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.



42.1155, 42.9939, 152.4363



52.5850, 42.9939, 8.6591



24.0489, 42.9939, 94.3083

Square

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



52.5850, 42.9939, 8.6591



23.1896, 42.9939, 22.2813



31.0292, 42.9939, 136.9562



65.8005, 42.9939, 84.8440

Rectangle

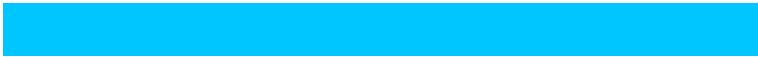
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.5850, 42.9939, 8.6591



32.2938, 42.9939, 8.0253



31.0292, 42.9939, 136.9562



50.8313, 42.9939, 141.0925

Sweetspot

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



52.5860, 42.9962, 8.6599



77.3968, 78.0293, 61.9032



48.7515, 26.1589, 35.6463



16.0880, 16.0838, 12.0470



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.



52.5860, 42.9962, 8.6599



48.9899, 36.6705, 4.7890



75.4661, 88.7564, 16.2866



18.7294, 19.4270, 18.9070



25.3656, 18.7424, 2.2807



2.5784, 2.0422, 0.2583

Inverse Universe

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



31.4714, 32.0361, 99.1320



27.1793, 25.2890, 98.0565



20.9184, 10.9302, 95.6143



17.7838, 18.9393, 22.9683



13.9284, 12.7664, 51.1646



1.4656, 1.4619, 5.0182

Previews

White Background



This preview shows how the XYZ color 52.5850, 42.9939, 8.6591 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 52.5850, 42.9939, 8.6591 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 52.5850, 42.9939, 8.6591

Background



This preview shows how black text looks on a background with the XYZ color 52.5850, 42.9939, 8.6591.



This preview shows how white text looks on a background with the XYZ color 52.5850, 42.9939,

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

52.5850, 42.9939, 8.6591

Protanopia

39.3150, 43.2265, 10.2744

Deuteranopia

44.0921, 43.1914, 8.3957



Tritanopia

56.5805, 42.8730, 34.9990

Trichromacy



Original Color

52.5850, 42.9939, 8.6591

Protanomaly

43.2392, 42.4537, 9.5299

Deuteranomaly

46.6882, 42.6705, 8.4648

Tritanomaly

54.4599, 42.7486, 21.6006

Monochromacy



Original Color

52.5850, 42.9939, 8.6591

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.8385, 39.7905, 25.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5850, 42.9939, 8.6591 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, 149, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 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, 149, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 51) }
```

Border

The CSS property to change the border of an element to XYZ 52.5850, 42.9939, 8.6591 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, 149, 51) }
```


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

```
.border{ border-color:rgb(255, 149, 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, 149, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5850, 42.9939, 8.6591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 51) }
```

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

```
.background{ background-color: rgb(255,  
149, 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](#).

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