

Converting Colors

XYZ(55.8282, 49.4805, 9.7405)

Have a look what the booklet for
XYZ(55.8282, 49.4805, 9.7405)
contains.

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Color

**XYZ(55.8402, 49.5043,
9.7442)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA833
RGB	255, 168, 51
RGB Percent	100%, 66%, 20%
CMY	0.0000, 0.3411, 0.8000
CMYK	0.00, 0.34, 0.80, 0.00
HSL	34°, 100%, 60%
HSV	34°, 80%, 100%
XYZ	55.8402, 49.5043, 9.7442
YIQ	180.6750, 89.4090, -17.9430

Conversions

Conversions Part 2

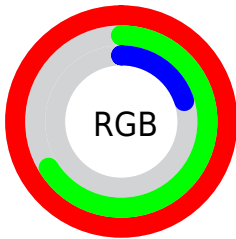
Format	Color
R _Y B	203, 255, 51
Decimal	16754739
CIE Lab	75.76, 23.23, 68.75
CIE LCh	76, 72.574, 71.329
Yxy	49.5043, 0.4852, 0.4301
Android (android.graphics.Color)	4294944819 (0xFFFFA833)
YUV	180.6750, -63.9298, 65.1830
Hunter-Lab	70.3593, 18.5366, 41.0403

Details

The XYZ color **55.8402, 49.5043, 9.7442** 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 **28.5033, 26.0999, 98.1426**, and the grayscale version is **44.0473, 46.3412, 50.4655**.

A 20% lighter version of the original color is **70.2815, 75.0969, 24.7008**, and **28.2377, 23.8282, 3.1110** is the 20% darker color. If you saturate the color by 10%, you get **53.5002, 45.4912, 6.9094**, and if you desaturate by 10%, it is **58.6582, 53.9814, 14.2576**.

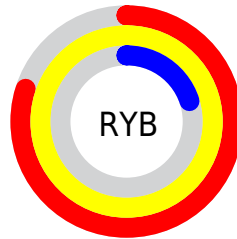
Distribution



Red (100%)

Green (66%)

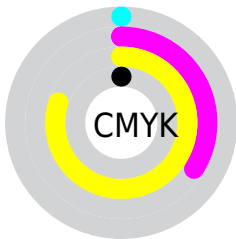
Blue (20%)



Red (80%)

Yellow (100%)

Blue (20%)

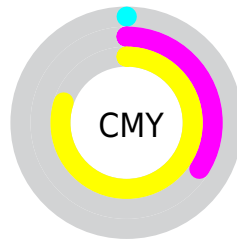


Cyan (0%)

Magenta (34%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8402, 49.5043, 9.7442 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 55.8402, 49.5043, 9.7442 by changing the saturation by 10% instead.


 55.8402, 49.5043,
9.7442


 55.8402, 49.5043,
9.7442


399.1738,
384.7243, 199.2545


 40.3113, 35.0197,
5.1263


 97.9121, 89.4400,
25.9135

 27.9666, 23.6780,
2.2615


 125.1857,
115.6599, 38.3020

 18.4408, 15.0950,
0.7095


 157.1051,
146.5603, 54.1177

 11.3686, 8.8861,
0.0000

 194.0354,
182.5256, 73.7793

 6.3844, 4.6669,
0.0000

 236.3421,
223.9403, 97.7052

 3.1231, 2.0532,
0.0000

 284.3905,

 1.2192, 0.6381,

271.1887, 126.3140

0.0000

338.5459,
324.6552, 160.0243

■ 0.1214, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8402, 49.5043,
9.7442

■ 55.8402, 49.5043,
9.7442

■ 53.5002, 45.4912,
6.9094

■ 58.6582, 53.9814,
14.2576

■ 51.5585, 41.8975,
5.3697

■ 61.9988, 58.9404,
20.6805

■ 51.5582, 41.8968,
5.3695

■ 65.9039, 64.4063,
29.2096

■ 70.4096, 70.3994,
40.0163

75.5482, 76.9383,
53.2542

81.3498, 84.0407,
69.0632

87.8420, 91.7230,
87.5728

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.



69.3041, 49.5043, 18.2576



55.8402, 49.5043, 9.7442



42.1456, 49.5043, 8.9792

Triad

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



55.8402, 49.5043, 9.7442



25.9519, 49.5043, 69.8258



66.3124, 49.5043, 130.9912

Complementary

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



55.8402, 49.5043, 9.7442



28.5033, 26.0999, 98.1426

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.



52.3259, 49.5043, 164.2477



55.8402, 49.5043, 9.7442



30.1601, 49.5043, 119.2229

Square

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



55.8402, 49.5043, 9.7442



26.5335, 49.5043, 33.4724



39.2385, 49.5043, 159.1350



76.1015, 49.5043, 81.3050

Rectangle

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



55.8402, 49.5043, 9.7442



34.8295, 49.5043, 12.1252



39.2385, 49.5043, 159.1350



61.8448, 49.5043, 145.3303

Sweetspot

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



55.8413, 49.5068, 9.7451



78.9473, 81.1303, 62.4200



47.1134, 25.5038, 27.0201



16.4596, 16.8270, 12.1709



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.



55.8413, 49.5068, 9.7451



52.2993, 43.2892, 5.8921



72.7696, 90.5297, 16.7711



18.8745, 19.7171, 18.9553



27.0916, 22.1945, 2.8561



2.7462, 2.3778, 0.3142

Inverse Universe

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



28.5033, 26.0999, 98.1426



24.2621, 19.4547, 97.0841



21.3878, 10.6984, 95.5448



17.6398, 18.6513, 22.9203



12.4155, 9.7406, 50.6603



1.3145, 1.1597, 4.9678

Previews

White Background



This preview shows how the XYZ color 55.8402, 49.5043, 9.7442 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 55.8402, 49.5043, 9.7442 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 55.8402, 49.5043, 9.7442

Background



This preview shows how black text looks on a background with the XYZ color 55.8402, 49.5043, 9.7442.



This preview shows how white text looks on a background with the XYZ color 55.8402, 49.5043,

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

55.8402, 49.5043, 9.7442

Protanopia

45.2754, 49.9536, 10.9971

Deuteranopia

50.6944, 49.7082, 9.6121



Tritanopia

61.1615, 49.3419, 44.8285

Trichromacy



Original Color

55.8402, 49.5043, 9.7442

Protanomaly

48.5538, 49.4828, 10.4821

Deuteranomaly

52.2875, 49.3627, 9.5684

Tritanomaly

58.1680, 48.9867, 26.4683

Monochromacy



Original Color

55.8402, 49.5043, 9.7442

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.8408, 46.1818, 29.0522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8402, 49.5043, 9.7442 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, 168, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 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, 168, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 51) }
```

Border

The CSS property to change the border of an element to XYZ 55.8402, 49.5043, 9.7442 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, 168, 51) }
```


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

```
.border{ border-color:rgb(255, 168, 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, 168, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8402, 49.5043, 9.7442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 51) }
```

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

```
.background{ background-color: rgb(255,  
168, 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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