

Converting Colors

XYZ(55.7934, 48.2516, 13.3018)

Have a look what the booklet for
XYZ(55.7934, 48.2516, 13.3018)
contains.

XYZ(55.8550, 48.3467, 13.4092)	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(55.8550, 48.3467,
13.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA44D
RGB	255, 164, 77
RGB Percent	100%, 64%, 30%
CMY	0.0000, 0.3568, 0.6980
CMYK	0.00, 0.36, 0.70, 0.00
HSL	29°, 100%, 65%
HSV	29°, 70%, 100%
XYZ	55.8550, 48.3467, 13.4092
YIQ	181.2910, 82.1630, -7.7650

Conversions

Conversions Part 2

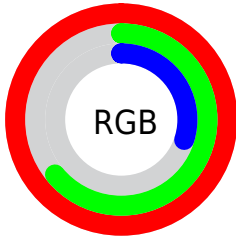
Format	Color
R _{YB}	255, 247, 77
Decimal	16753741
CIE Lab	75.04, 26.38, 57.47
CIE LCh	75, 63.231, 65.345
Yxy	48.3467, 0.4749, 0.4111
Android (android.graphics.Color)	4294943821 (0xFFFFA44D)
YUV	181.2910, -51.4155, 64.6428
Hunter-Lab	69.5318, 21.7087, 37.2382

Details

The XYZ color **55.8550, 48.3467, 13.4092** 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 **35.1124, 36.8013, 99.8599**, and the grayscale version is **44.3183, 46.6263, 50.7761**.

A 20% lighter version of the original color is **70.6008, 73.5347, 31.5917**, and **27.9313, 22.9837, 3.7232** is the 20% darker color. If you saturate the color by 10%, you get **52.9104, 43.6274, 8.8227**, and if you desaturate by 10%, it is **59.3936, 53.6903, 19.9344**.

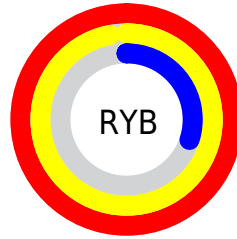
Distribution



Red (100%)

Green (64%)

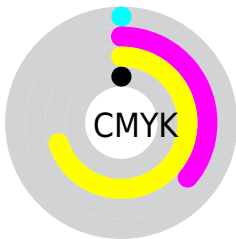
Blue (30%)



Red (100%)

Yellow (97%)

Blue (30%)

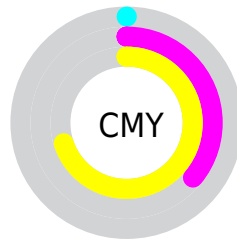


Cyan (0%)

Magenta (36%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8550, 48.3467, 13.4092 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 55.8550, 48.3467, 13.4092 by changing the saturation by 10% instead.


 55.8550, 48.3467,
13.4092


 55.8550, 48.3467,
13.4092


399.2287,
380.1647, 224.8229

 40.3232, 34.1015,
7.5769


 97.9336, 87.7204,
32.7389

 27.9760, 22.9716,
3.7416


 125.2111,
113.6177, 47.0734


 18.4479, 14.5725,
1.4847


 157.1346,
144.1678, 65.0790

 11.3737, 8.5199,
0.2065

 194.0694,
179.7552, 87.1743

 6.3879, 4.4294,
0.0000

 236.3808,
220.7641, 113.7777

 3.1252, 1.9166,
0.0000

284.4343,

 1.2203, 0.5583,

267.5791, 145.3080

0.0000

338.5951,
320.5845, 182.1836

■ 0.1223, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8550, 48.3467,
13.4092

■ 55.8550, 48.3467,
13.4092

■ 52.9104, 43.6274,
8.8227

■ 59.3936, 53.6903,
19.9344

■ 50.5055, 39.4930,
5.9384

■ 63.5666, 59.6793,
28.5920

■ 48.5635, 35.9029,
4.3848

■ 68.4140, 66.3421,
39.5546

■ 48.5282, 35.8369,
4.3595

■ 73.9709, 73.7031,
52.9766

80.2698, 81.7848,
68.9986

87.3409, 90.6090,
87.7506

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.



66.5560, 48.3467, 23.7503



55.8550, 48.3467, 13.4092



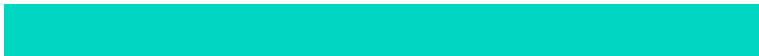
43.9140, 48.3467, 11.3100

Triad

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



55.8550, 48.3467, 13.4092



27.1945, 48.3467, 58.7918



60.0367, 48.3467, 123.4478

Complementary

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



55.8550, 48.3467, 13.4092



35.1124, 36.8013, 99.8599

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.



48.0522, 48.3467, 144.7780



55.8550, 48.3467, 13.4092



30.1107, 48.3467, 98.6834

Square

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



55.8550, 48.3467, 13.4092



28.5767, 48.3467, 30.3134



37.2948, 48.3467, 134.2048



69.2399, 48.3467, 83.8880

Rectangle

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



55.8550, 48.3467, 13.4092



37.0846, 48.3467, 13.5395



37.2948, 48.3467, 134.2048



56.1312, 48.3467, 133.6023

Sweetspot

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



55.8561, 48.3492, 13.4101



79.4760, 80.7790, 66.9394



51.0522, 29.4314, 40.5103



16.6280, 16.8019, 13.3427



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.



55.8561, 48.3492, 13.4101



51.8388, 41.8228, 7.4200



77.4000, 91.4370, 20.5914



18.7424, 19.4530, 18.9113



25.5056, 19.0225, 2.3274



2.5923, 2.0700, 0.2629

Inverse Universe

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



35.1124, 36.8013, 99.8599



29.9107, 29.5957, 98.7438



23.9771, 14.5307, 96.1481



17.7708, 18.9132, 22.9639



13.7775, 12.4645, 51.1143



1.4508, 1.4324, 5.0133

Previews

White Background



This preview shows how the XYZ color 55.8550, 48.3467, 13.4092 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 55.8550, 48.3467, 13.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

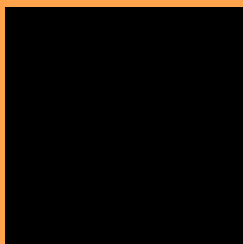
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8550, 48.3467, 13.4092

Background



This preview shows how black text looks on a background with the XYZ color 55.8550, 48.3467, 13.4092.



This preview shows how white text looks on a background with the XYZ color 55.8550, 48.3467,

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

55.8550, 48.3467, 13.4092

Protanopia

44.3639, 48.4443, 15.1961

Deuteranopia

49.3945, 48.3681, 13.2112



Tritanopia

60.3649, 48.2011, 43.1680

Trichromacy



Original Color

55.8550, 48.3467, 13.4092

Protanomaly

47.9478, 47.8857, 14.5003

Deuteranomaly

51.6191, 48.3638, 13.2711

Tritanomaly

58.1840, 48.1509, 29.1491

Monochromacy



Original Color

55.8550, 48.3467, 13.4092

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.3003, 46.0530, 32.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8550, 48.3467, 13.4092 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, 164, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 77)  
}
```

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, 164, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 77) }
```

Border

The CSS property to change the border of an element to XYZ 55.8550, 48.3467, 13.4092 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, 164, 77) }
```


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

```
.border{ border-color:rgb(255, 164, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8550, 48.3467, 13.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 77) }
```

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

```
.background{ background-color: rgb(255,  
164, 77) }
```

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