

Converting Colors

XYZ(49.9819, 37.6405, 8.2456)

Have a look what the booklet for
XYZ(49.9819, 37.6405, 8.2456)
contains.

XYZ(50.0459, 37.7684, 8.2668)	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(50.0459, 37.7684,
8.2668)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8337
RGB	255, 131, 55
RGB Percent	100%, 51%, 22%
CMY	0.0000, 0.4862, 0.7843
CMYK	0.00, 0.49, 0.78, 0.00
HSL	23°, 100%, 61%
HSV	23°, 78%, 100%
XYZ	50.0459, 37.7684, 8.2668
YIQ	159.4120, 98.3000, 2.6520

Conversions

Conversions Part 2

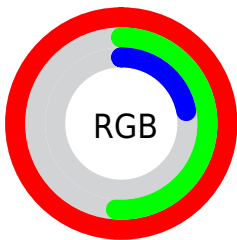
Format	Color
R_{YB}	255, 178, 55
Decimal	16745271
CIE _{Lab}	67.85, 42.33, 59.88
CIE _{LCh}	68, 73.331, 54.743
Yxy	37.7684, 0.5209, 0.3931
Android (android.graphics.Color)	4294935351 (0xFFFF8337)
YUV	159.4120, -51.4751, 83.8307
Hunter-Lab	61.4560, 37.8112, 35.0438

Details

The XYZ color **50.0459, 37.7684, 8.2668** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.7445, 40.2701, 100.4961**, and the grayscale version is **33.3417, 35.0780, 38.2000**.

A 20% lighter version of the original color is **61.4527, 57.4393, 21.7579**, and **24.2818, 16.6683, 1.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.6212, 33.6579, 5.1820**, and if you desaturate by 10%, it is **53.1116, 42.6571, 13.1215**.

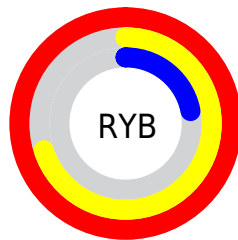
Distribution



Red (100%)

Green (51%)

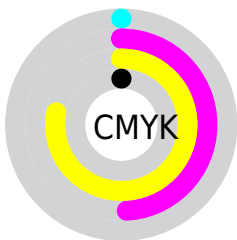
Blue (22%)



Red (100%)

Yellow (70%)

Blue (22%)

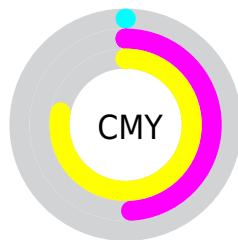


Cyan (0%)

Magenta (49%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0459, 37.7684, 8.2668 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 50.0459, 37.7684, 8.2668 by changing the saturation by 10% instead.


 50.0459, 37.7684,
8.2668


 50.0459, 37.7684,
8.2668


377.2944,
336.6254, 187.8220


 35.6678, 25.8030,
4.1759


 89.4343, 71.7530,
23.0346

 24.3467, 16.6763,
1.7223


 115.1753, 94.5410,
34.5486


 15.7171, 10.0040,
0.3760


 145.4347,
121.7053, 49.3740

 9.4138, 5.4016,
0.0000

 180.5778,
153.6303, 67.9295

 5.0713, 2.4848,
0.0000

 220.9700,
190.7005, 90.6334

 2.3243, 0.8690,
0.0000

 266.9766,

 0.8071, 0.0000,

233.3001, 117.9045

0.0000

318.9629,
281.8136, 150.1612

■ 0.0000, 0.0000,
0.0000

■ 50.0459, 37.7684,
8.2668

■ 50.0459, 37.7684,
8.2668

■ 47.6212, 33.6579,
5.1820

■ 53.1116, 42.6571,
13.1215

■ 45.7605, 30.2663,
3.5451

■ 56.8723, 48.3624,
19.9738

■ 45.5059, 29.7922,
3.3521

■ 61.3778, 54.9265,
29.0187

■ 66.6720, 62.3867,
40.4273

■ 72.7951, 70.7777,
54.3534

79.7842, 80.1321,
70.9380

87.6741, 90.4809,
90.3112

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.



59.6238, 37.7684, 20.0984



50.0459, 37.7684, 8.2668



37.9372, 37.7684, 4.9844

Triad

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



50.0459, 37.7684, 8.2668



18.2391, 37.7684, 35.6520



45.8419, 37.7684, 128.1593

Complementary

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



50.0459, 37.7684, 8.2668



35.7445, 40.2701, 100.4961

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.



33.9327, 37.7684, 140.2145



50.0459, 37.7684, 8.2668



19.4852, 37.7684, 73.2697

Square

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



50.0459, 37.7684, 8.2668



20.8480, 37.7684, 14.5448



24.7041, 37.7684, 116.3110



56.8597, 37.7684, 88.8561

Rectangle

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



50.0459, 37.7684, 8.2668



30.6193, 37.7684, 5.4376



24.7041, 37.7684, 116.3110



41.7504, 37.7684, 136.1829

Sweetspot

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



50.0467, 37.7704, 8.2675



75.7830, 74.8017, 61.3652



51.0152, 27.3562, 46.6673



15.7035, 15.3148, 11.9188



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.



50.0467, 37.7704, 8.2675



46.5231, 31.6848, 4.1270



69.7645, 77.2060, 14.8400



18.5751, 19.1184, 18.8555



23.9104, 15.8321, 1.7957



2.4295, 1.7443, 0.2086

Inverse Universe

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



35.7445, 40.2701, 100.4961



31.5106, 33.8415, 99.4790



22.6180, 14.0170, 96.1206



17.9410, 19.2537, 23.0207



15.9771, 16.8639, 51.8475



1.6611, 1.8529, 5.0834

Previews

White Background



This preview shows how the XYZ color 50.0459, 37.7684, 8.2668 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 50.0459, 37.7684, 8.2668 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 50.0459, 37.7684, 8.2668

Background



This preview shows how black text looks on a background with the XYZ color 50.0459, 37.7684, 8.2668.



This preview shows how white text looks on a background with the XYZ color 50.0459, 37.7684,

8.2668.

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

50.0459, 37.7684, 8.2668

Protanopia

34.5979, 37.9684, 10.5061

Deuteranopia

38.5625, 37.7211, 7.8332



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

50.0459, 37.7684, 8.2668

Protanomaly

38.8119, 36.8210, 9.4764

Deuteranomaly

42.1956, 37.4091, 7.9025

Tritanomaly

51.3792, 37.4587, 17.8869

Monochromacy



Original Color

50.0459, 37.7684, 8.2668

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.4468, 34.3447, 22.7974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0459, 37.7684, 8.2668 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, 131, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 55)  
}
```

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, 131, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 55) }
```

Border

The CSS property to change the border of an element to XYZ 50.0459, 37.7684, 8.2668 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, 131, 55) }
```


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

```
.border{ border-color:rgb(255, 131, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0459, 37.7684, 8.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 55) }
```

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

```
.background{ background-color: rgb(255,  
131, 55) }
```

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