

Converting Colors

XYZ(45.9442, 37.5682, 8.1841)

Have a look what the booklet for
XYZ(45.9442, 37.5682, 8.1841)
contains.

XYZ(45.9559, 37.5385, 8.1917)	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(45.9559, 37.5385,
8.1917)**

Conversions

Conversions Part 1

Format	Color
Hex	F08C35
RGB	240, 140, 53
RGB Percent	94%, 55%, 21%
CMY	0.0588, 0.4510, 0.7921
CMYK	0.00, 0.42, 0.78, 0.06
HSL	28°, 86%, 57%
HSV	28°, 78%, 94%
XYZ	45.9559, 37.5385, 8.1917
YIQ	159.9820, 87.5270, -5.8570

Conversions

Conversions Part 2

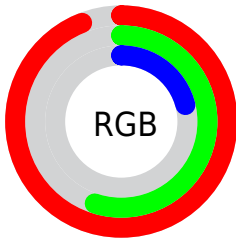
Format	Color
R _Y B	240, 216, 53
Decimal	15764533
CIE Lab	67.68, 31.75, 59.84
CIE LCh	68, 67.745, 62.050
Yxy	37.5385, 0.5012, 0.4094
Android (android.graphics.Color)	4293954613 (0xFFFF08C35)
YUV	159.9820, -52.7421, 70.1758
Hunter-Lab	61.2687, 26.6676, 34.9609

Details

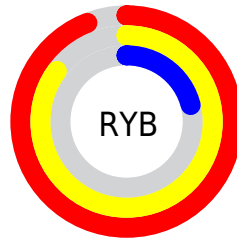
The XYZ color **45.9559, 37.5385, 8.1917** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.5869, 29.8291, 86.6884**, and the grayscale version is **33.6137, 35.3642, 38.5116**.

A 20% lighter version of the original color is **63.0816, 60.8635, 21.7877**, and **21.9325, 16.6097, 2.0500** is the 20% darker color. If you saturate the color by 10%, you get **43.7686, 33.8375, 5.3870**, and if you desaturate by 10%, it is **48.6398, 41.7913, 12.5247**.

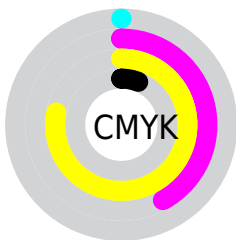
Distribution



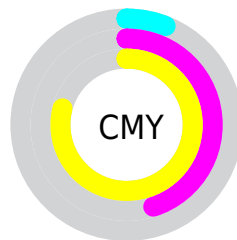
- Red (94%)
- Green (55%)
- Blue (21%)



- Red (94%)
- Yellow (85%)
- Blue (21%)



- Cyan (0%)
- Magenta (42%)
- Yellow (78%)
- Black (6%)





- Cyan (6%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9559, 37.5385, 8.1917 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 45.9559, 37.5385, 8.1917 by changing the saturation by 10% instead.


 45.9559, 37.5385,
8.1917


 45.9559, 37.5385,
8.1917


361.3502,
335.6361, 187.2184


 32.4155, 25.6247,
4.1283


 83.3813, 71.4002,
22.8857


 21.8361, 16.5431,
1.6960


 107.9969, 94.1169,
34.3535

 13.8525, 9.9093,
0.3580


 137.0351,
121.2034, 49.1265

 8.0991, 5.3388,
0.0000


 170.8610,
153.0441, 67.6232

 4.2108, 2.4474,
0.0000

 209.8402,
190.0233, 90.2622

 1.8221, 0.8501,
0.0000

 254.3379,

 0.5309, 0.0000,

232.5254, 117.4620

0.0000

304.7194,
280.9349, 149.6412

■ 0.0000, 0.0000,
0.0000

■ 45.9559, 37.5385,
8.1917

■ 45.9559, 37.5385,
8.1917

■ 43.7686, 33.8375,
5.3870

■ 48.6398, 41.7913,
12.5247

■ 42.0181, 30.6477,
3.8447


■ 51.8611, 46.6189,
18.5776


■ 41.6922, 30.0397,
3.6008


■ 55.6583, 52.0490,
26.5159

■ 60.0652, 58.1056,
36.4846

■ 65.1123, 64.8110,
48.6145

 70.8281, 72.1862,
63.0252

 77.2391, 80.2510,
79.8274

 84.3700, 89.0245,
99.1248

 89.7449, 97.2651,
108.6517

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.5759, 37.5385, 17.3001



45.9559, 37.5385, 8.1917



34.9648, 37.5385, 6.1106

Triad

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



45.9559, 37.5385, 8.1917



19.1231, 37.5385, 42.9676



47.4464, 37.5385, 111.6735

Complementary

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



45.9559, 37.5385, 8.1917



28.5869, 29.8291, 86.6884

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.



36.4033, 37.5385, 129.6379



45.9559, 37.5385, 8.1917



21.2080, 37.5385, 79.6726

Square

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



45.9559, 37.5385, 8.1917



20.7036, 37.5385, 19.3903



27.0616, 37.5385, 115.7476



56.5479, 37.5385, 74.2342

Rectangle

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



45.9559, 37.5385, 8.1917



28.6514, 37.5385, 7.3636



27.0616, 37.5385, 115.7476



43.7714, 37.5385, 120.8334

Sweetspot

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



45.9567, 37.5405, 8.1924



77.8022, 78.3785, 63.4616



43.1963, 23.4669, 33.6392



16.1560, 16.1316, 12.3416



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.



45.9567, 37.5405, 8.1924



49.0918, 36.7910, 5.0798



65.0555, 75.7380, 14.5586



16.3790, 16.9712, 16.5622



22.9535, 16.7050, 2.0146



2.0081, 1.5869, 0.2005

Inverse Universe

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



28.5869, 29.8291, 86.6884



28.3703, 27.4944, 98.4194



18.9383, 10.5319, 83.4722



15.5972, 16.6286, 20.1092



12.9940, 12.2123, 46.8002



1.1805, 1.2150, 3.9265

Previews

White Background



This preview shows how the XYZ color 45.9559, 37.5385, 8.1917 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 45.9559, 37.5385, 8.1917 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 45.9559, 37.5385, 8.1917

Background



This preview shows how black text looks on a background with the XYZ color 45.9559, 37.5385, 8.1917.



This preview shows how white text looks on a background with the XYZ color 45.9559, 37.5385,

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

45.9559, 37.5385, 8.1917

Protanopia

34.4594, 37.9130, 9.7767

Deuteranopia

38.3022, 37.5846, 7.9251



Tritanopia

50.5802, 37.5682, 29.7848

Trichromacy



Original Color

45.9559, 37.5385, 8.1917

Protanomaly

37.9723, 37.3885, 9.0862

Deuteranomaly

40.8344, 37.4150, 7.9753

Tritanomaly

48.2476, 37.2090, 19.1071

Monochromacy



Original Color

45.9559, 37.5385, 8.1917

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.8287, 34.9818, 22.9529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9559, 37.5385, 8.1917 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(240, 140, 53)` looks like.

```
.text, #text, p{  
    color:rgb(240, 140, 53)  
}
```

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(240, 140, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 140, 53) }
```

Border

The CSS property to change the border of an element to XYZ 45.9559, 37.5385, 8.1917 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(240, 140, 53) }
```


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

```
.border{ border-color:rgb(240, 140, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 140, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 140, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 140, 53);  
box-shadow:4px 4px 4px 4px rgb(240, 140,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9559, 37.5385, 8.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 140, 53) }
```

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

```
.background{ background-color: rgb(240,  
140, 53) }
```

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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