

Converting Colors

XYZ(65.4906, 45.7347, 9.9230)

Have a look what the booklet for
XYZ(65.4906, 45.7347, 9.9230)
contains.

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Color

**XYZ(50.2258, 37.8404,
9.2142)**

Conversions

Conversions Part 1

Format	Color
Hex	FF833E
RGB	255, 131, 62
RGB Percent	100%, 51%, 24%
CMY	0.0000, 0.4862, 0.7569
CMYK	0.00, 0.49, 0.76, 0.00
HSL	21°, 100%, 62%
HSV	21°, 76%, 100%
XYZ	50.2258, 37.8404, 9.2142
YIQ	160.2100, 96.0530, 4.8290

Conversions

Conversions Part 2

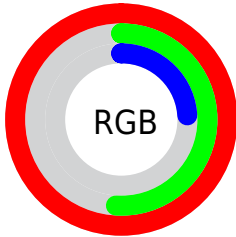
Format	Color
R_{YB}	255, 169, 62
Decimal	16745278
CIE _{Lab}	67.90, 42.58, 56.85
CIE _{LCh}	68, 71.033, 53.166
Yxy	37.8404, 0.5163, 0.3890
Android (android.graphics.Color)	4294935358 (0xFFFF833E)
YUV	160.2100, -48.4175, 83.1308
Hunter-Lab	61.5146, 38.0924, 34.1792

Details

The XYZ color **50.2258, 37.8404, 9.2142** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.5941, 43.3592, 100.9948**, and the grayscale version is **33.6972, 35.4521, 38.6073**.

A 20% lighter version of the original color is **61.7795, 57.5701, 23.4788**, and **24.5561, 16.8072, 2.0647** is the 20% darker color. If you saturate the color by 10%, you get **47.6540, 33.5666, 5.6769**, and if you desaturate by 10%, it is **53.4752, 42.9453, 14.5956**.

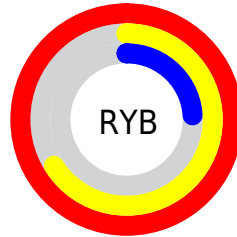
Distribution



Red (100%)

Green (51%)

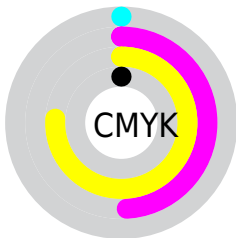
Blue (24%)



Red (100%)

Yellow (66%)

Blue (24%)

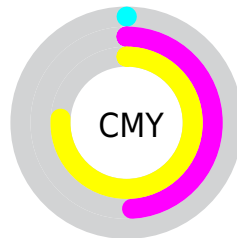


Cyan (0%)

Magenta (49%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2258, 37.8404, 9.2142 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 50.2258, 37.8404, 9.2142 by changing the saturation by 10% instead.


 50.2258, 37.8404,
9.2142


 50.2258, 37.8404,
9.2142


377.9857,
336.9348, 195.2444

 35.8114, 25.8588,
4.7824


 89.6992, 71.8634,
24.8909


 24.4580, 16.7181,
2.0637


 115.4888, 94.6737,
36.9729


 15.8003, 10.0337,
0.5940


 145.8009,
121.8624, 52.4421

 9.4729, 5.4213,
0.0000

 181.0008,
153.8138, 71.7170

 5.1105, 2.4965,
0.0000

 221.4539,
190.9123, 95.2161

 2.3476, 0.8749,
0.0000

267.5255,

 0.8189, 0.0000,

233.5424, 123.3580

0.0000

319.5810,
282.0885, 156.5613

■ 0.0000, 0.0000,
0.0000

■ 50.2258, 37.8404,
9.2142

■ 50.2258, 37.8404,
9.2142

■ 47.6540, 33.5666,
5.6769

■ 53.4752, 42.9453,
14.5956

■ 45.6906, 30.0650,
3.7116

■ 57.4553, 48.9219,
22.0381

■ 44.9957, 28.7719,
3.1820

■ 62.2163, 55.8147,
31.7300

■ 67.8022, 63.6632,
43.8376

■ 74.2538, 72.5043,
58.5114

81.6089, 82.3726,
75.8895

89.9027, 93.3012,
96.1000

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.



59.1801, 37.8404, 21.6401



50.2258, 37.8404, 9.2142



38.5473, 37.8404, 5.5448

Triad

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



50.2258, 37.8404, 9.2142



18.7609, 37.8404, 34.3935



44.9641, 37.8404, 125.9832

Complementary

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



50.2258, 37.8404, 9.2142



37.5941, 43.3592, 100.9948

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.



33.5029, 37.8404, 135.6204



50.2258, 37.8404, 9.2142



19.7888, 37.8404, 69.9882

Square

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



50.2258, 37.8404, 9.2142



21.5308, 37.8404, 14.4758



24.6985, 37.8404, 111.3729



55.7345, 37.8404, 89.3497

Rectangle

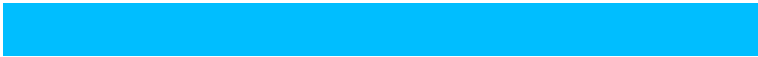
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2258, 37.8404, 9.2142



31.3517, 37.8404, 5.8562



24.6985, 37.8404, 111.3729



41.0125, 37.8404, 133.0605

Sweetspot

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



50.2267, 37.8424, 9.2149



76.1392, 75.0524, 62.9073



51.9804, 28.3125, 49.9920



15.7574, 15.3344, 12.2088



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.



50.2267, 37.8424, 9.2149



46.5399, 31.6131, 4.4570



69.3191, 76.0274, 15.5790



18.5408, 19.0498, 18.8441



23.6390, 15.2893, 1.7052



2.4004, 1.6863, 0.1990

Inverse Universe

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



37.5941, 43.3592, 100.9948



33.1606, 36.9184, 99.9859



23.7736, 15.7181, 96.3879



17.9765, 19.3246, 23.0325



16.4982, 17.9060, 52.0212



1.7097, 1.9502, 5.0996

Previews

White Background



This preview shows how the XYZ color 50.2258, 37.8404, 9.2142 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 50.2258, 37.8404, 9.2142 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 50.2258, 37.8404, 9.2142

Background



This preview shows how black text looks on a background with the XYZ color 50.2258, 37.8404, 9.2142.



This preview shows how white text looks on a background with the XYZ color 50.2258, 37.8404,

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

50.2258, 37.8404, 9.2142

Protanopia

34.5731, 37.9307, 11.6300

Deuteranopia

38.9051, 38.1300, 8.7993



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

50.2258, 37.8404, 9.2142

Protanomaly

39.0130, 36.9015, 10.5353

Deuteranomaly

42.3798, 37.4828, 8.8721

Tritanomaly

51.6659, 37.7811, 18.7567

Monochromacy



Original Color

50.2258, 37.8404, 9.2142

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.8912, 34.5522, 23.7937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2258, 37.8404, 9.2142 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 62) }
```

Border

The CSS property to change the border of an element to XYZ 50.2258, 37.8404, 9.2142 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, 62) }
```


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

```
.border{ border-color:rgb(255, 131, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2258, 37.8404, 9.2142 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, 62) }
```

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

```
.background{ background-color: rgb(255,  
131, 62) }
```

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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