

# Converting Colors

XYZ(57.2843, 52.2065, 10.7993)

Have a look what the booklet for  
XYZ(57.2843, 52.2065, 10.7993)  
contains.

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# Color

**XYZ(57.2838, 52.2055,  
10.7989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF38
RGB	255, 175, 56
RGB Percent	100%, 69%, 22%
CMY	0.0000, 0.3137, 0.7804
CMYK	0.00, 0.31, 0.78, 0.00
HSL	36°, 100%, 61%
HSV	36°, 78%, 100%
XYZ	57.2838, 52.2055, 10.7989
YIQ	185.3540, 85.8790, -20.0490

# Conversions

## Conversions Part 2

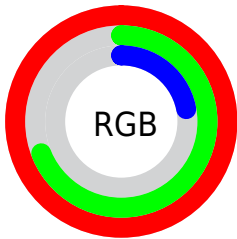
Format	Color
R <sub>Y</sub> B	190, 255, 56
Decimal	16756536
CIE Lab	77.40, 19.74, 68.46
CIE LCh	77, 71.254, 73.913
Yxy	52.2055, 0.4762, 0.4340
Android (android.graphics.Color)	4294946616 (0xFFFFAF38)
YUV	185.3540, -63.7715, 61.0795
Hunter-Lab	72.2534, 15.0747, 41.7160

# Details

The XYZ color **57.2838, 52.2055, 10.7989** 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 **28.4847, 25.6681, 98.0602**, and the grayscale version is **46.6237, 49.0517, 53.4173**.

A 20% lighter version of the original color is **72.6852, 79.5595, 26.5645**, and **29.0753, 25.5034, 3.3902** is the 20% darker color. If you saturate the color by 10%, you get **54.8918, 48.1788, 7.6687**, and if you desaturate by 10%, it is **60.1468, 56.6673, 15.6519**.

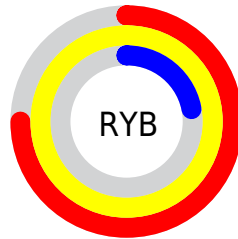
# Distribution



Red (100%)

Green (69%)

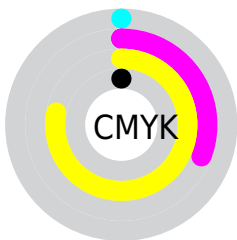
Blue (22%)



Red (75%)

Yellow (100%)

Blue (22%)

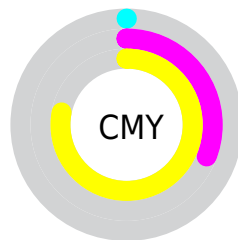


Cyan (0%)

Magenta (31%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2838, 52.2055, 10.7989 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 57.2838, 52.2055, 10.7989 by changing the saturation by 10% instead.





 57.2838, 52.2055,  
10.7989

 57.2838, 52.2055,  
10.7989


404.5089,  
395.2294, 206.9703

 41.4742, 37.1689,  
5.8193


 100.0081, 93.4342,  
27.9186


 28.8791, 25.3383,  
2.6685


 127.6536,  
120.3952, 40.8959


 19.1332, 16.3293,  
0.9275


 159.9749,  
152.0997, 57.3761

 11.8711, 9.7575,  
0.0000

 197.3377,  
188.9321, 77.7777

 6.7276, 5.2384,  
0.0000

 240.1071,  
231.2769, 102.5195

 3.3371, 2.3878,  
0.0000

288.6485,

 1.3344, 0.8196,

279.5185, 132.0198

0.0000

343.3273,  
334.0412, 166.6972

■ 0.2088, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2838, 52.2055,  
10.7989

■ 57.2838, 52.2055,  
10.7989

■ 54.8918, 48.1788,  
7.6687

■ 60.1468, 56.6673,  
15.6519

■ 52.9064, 44.5495,  
5.9541

■ 63.5229, 61.5798,  
22.4492

■ 52.5484, 43.8772,  
5.6995

■ 67.4524, 66.9661,  
31.3817

■ 71.9698, 72.8450,  
42.6169

■ 77.1065, 79.2337,  
56.3050

■ 82.8913, 86.1485,  
72.5836

■ 89.3510, 93.6045,  
91.5801

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.



71.1215, 52.2055, 18.9283



57.2838, 52.2055, 10.7989



43.5507, 52.2055, 10.5559

# Triad

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



57.2838, 52.2055, 10.7989



28.1887, 52.2055, 76.9841



70.2269, 52.2055, 130.3637

# Complementary

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



57.2838, 52.2055, 10.7989



28.4847, 25.6681, 98.0602

# 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.



56.2280, 52.2055, 166.0380



57.2838, 52.2055, 10.7989



32.9576, 52.2055, 126.8756

# Square

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



57.2838, 52.2055, 10.7989



28.3665, 52.2055, 38.3943



42.6717, 52.2055, 164.5289



79.4825, 52.2055, 80.4181



# Rectangle

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



57.2838, 52.2055, 10.7989



36.3243, 52.2055, 14.4045



42.6717, 52.2055, 164.5289



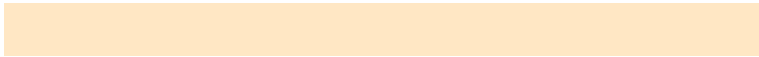
65.8182, 52.2055, 145.2652

# Sweetspot

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



57.2850, 52.2081, 10.7999



79.9384, 82.6509, 64.1737



47.3084, 25.9503, 26.9105



16.6719, 17.1633, 12.5136



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.



57.2850, 52.2081, 10.7999



53.6656, 45.9698, 6.5078



71.8735, 90.0543, 17.3360



18.9128, 19.7938, 18.9681



27.6081, 23.2274, 3.0282



2.7952, 2.4758, 0.3305



# Inverse Universe

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



28.4847, 25.6681, 98.0602



24.0081, 18.8364, 96.9782



22.1807, 11.4491, 95.6479



17.6023, 18.5762, 22.9078



12.0769, 9.0634, 50.5475



1.2795, 1.0897, 4.9562



# Previews

## White Background



This preview shows how the XYZ color 57.2838, 52.2055, 10.7989 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 57.2838, 52.2055, 10.7989 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 57.2838, 52.2055, 10.7989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2838, 52.2055, 10.7989.



This preview shows how white text looks on a background with the XYZ color 57.2838, 52.2055,



# 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

57.2838, 52.2055, 10.7989

### Protanopia

47.6896, 52.4726, 11.8897

### Deuteranopia

53.6462, 52.4137, 10.6576



## Tritanopia

63.0946, 52.1118, 48.8526

# Trichromacy



## Original Color

57.2838, 52.2055, 10.7989

## Protanomaly

50.9814, 52.2566, 11.5372

## Deuteranomaly

54.7920, 52.0994, 10.6584

## Tritanomaly

59.9178, 51.7307, 29.3813

# Monochromacy



## Original Color

57.2838, 52.2055, 10.7989

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

47.6897, 48.5844, 30.9090

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2838, 52.2055, 10.7989 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, 175, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 56)  
}
```

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, 175, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 56) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2838, 52.2055, 10.7989 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, 175, 56) }
```



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

```
.border{ border-color:rgb(255, 175, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 175, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
56) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2838, 52.2055, 10.7989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 56) }
```

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

```
.background{ background-color: rgb(255,  
175, 56) }
```

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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