

Converting Colors

XYZ(55.8559, 50.2604, 7.5166)

Have a look what the booklet for
XYZ(55.8559, 50.2604, 7.5166)
contains.

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Color

**XYZ(55.9477, 50.4437,
7.5469)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAB16
RGB	255, 171, 22
RGB Percent	100%, 67%, 9%
CMY	0.0000, 0.3294, 0.9137
CMYK	0.00, 0.33, 0.91, 0.00
HSL	38°, 100%, 54%
HSV	38°, 91%, 100%
XYZ	55.9477, 50.4437, 7.5469
YIQ	179.1300, 97.8930, -28.5310

Conversions

Conversions Part 2

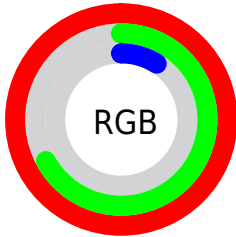
Format	Color
RYB	153, 255, 22
Decimal	16755478
CIELab	76.34, 21.02, 77.05
CIELCh	76, 79.868, 74.744
Yxy	50.4437, 0.4910, 0.4427
Android (android.graphics.Color)	4294945558 (0xFFFFAB16)
YUV	179.1300, -77.4651, 66.5380
Hunter-Lab	71.0237, 16.3187, 43.4165

Details

The XYZ color **55.9477, 50.4437, 7.5469** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **23.5352, 17.6991, 96.7828**, and the grayscale version is **43.2827, 45.5367, 49.5895**.

A 20% lighter version of the original color is **70.1978, 76.3573, 20.2711**, and **28.3351, 24.4001, 3.2163** is the 20% darker color. If you saturate the color by 10%, you get **54.3497, 47.4800, 6.3000**, and if you desaturate by 10%, it is **58.1247, 54.1924, 10.1402**.

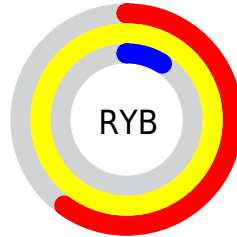
Distribution



Red (100%)

Green (67%)

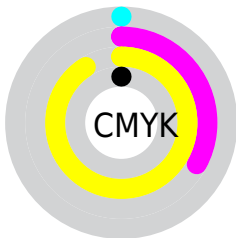
Blue (9%)



Red (60%)

Yellow (100%)

Blue (9%)

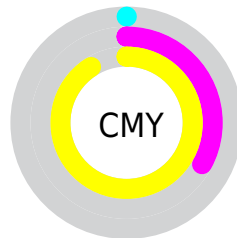


Cyan (0%)

Magenta (33%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9477, 50.4437, 7.5469 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 55.9477, 50.4437, 7.5469 by changing the saturation by 10% instead.


 55.9477, 50.4437,
7.5469


 55.9477, 50.4437,
7.5469


399.5726,
388.3986, 181.9335


 40.3978, 35.7661,
3.7228


 98.0684, 90.8319,
21.5966

 28.0345, 24.2536,
1.4746


 125.3699,
117.3113, 32.6593


 18.4922, 15.5218,
0.1989


 157.3193,
148.4935, 46.9719

 11.4058, 9.1864,
0.0000

 194.2820,
184.7627, 64.9531

 6.4098, 4.8630,
0.0000

 236.6233,
226.5034, 87.0213

 3.1388, 2.1671,
0.0000

 284.7086,

 1.2276, 0.7020,

274.1000, 113.5950

0.0000

338.9032,
327.9369, 145.0929

■ 0.1280, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9477, 50.4437,
7.5469

■ 55.9477, 50.4437,
7.5469

■ 54.3497, 47.4800,
6.3000

■ 58.1247, 54.1924,
10.1402

■ 60.7247, 58.3052,
14.3585

■ 63.7965, 62.8075,
20.4424

■ 67.3801, 67.7187,
28.5916

71.5105, 73.0565,
38.9798

76.2191, 78.8367,
51.7621

81.5349, 85.0743,
67.0797

87.4843, 91.7831,
85.0631

94.0923, 98.9763,
105.8332

Harmonies

Analogous

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



71.5053, 50.4437, 14.8662



55.9477, 50.4437, 7.5469



40.9683, 50.4437, 7.4962

Triad

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



55.9477, 50.4437, 7.5469



25.0993, 50.4437, 78.7625



71.2679, 50.4437, 137.0370

Complementary

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



55.9477, 50.4437, 7.5469



23.5352, 17.6991, 96.7828

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.



55.6725, 50.4437, 179.9149



55.9477, 50.4437, 7.5469



30.2284, 50.4437, 136.0800

Square

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



55.9477, 50.4437, 7.5469



25.1426, 50.4437, 35.9193



40.7447, 50.4437, 179.4942



81.5291, 50.4437, 79.6718

Rectangle

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



55.9477, 50.4437, 7.5469



33.3055, 50.4437, 11.1539



40.7447, 50.4437, 179.4942



66.3473, 50.4437, 154.6918

Sweetspot

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



55.9488, 50.4463, 7.5478



78.4658, 81.5053, 58.1345



44.2038, 22.9048, 16.1227



16.4170, 16.9976, 11.3683



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.



55.9488, 50.4463, 7.5478



54.3502, 47.4804, 6.3001



66.6246, 87.4141, 14.1207



18.9782, 19.9246, 18.9899



28.5458, 25.1029, 3.3408



2.8831, 2.6515, 0.3598

Inverse Universe

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



23.5352, 17.6991, 96.7828



21.8708, 14.8616, 96.3236



19.8091, 8.5531, 95.2138



17.5390, 18.4495, 22.8867



11.5563, 8.0221, 50.3739



1.2243, 0.9794, 4.9378

Previews

White Background



This preview shows how the XYZ color 55.9477, 50.4437, 7.5469 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 55.9477, 50.4437, 7.5469 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 55.9477, 50.4437, 7.5469

Background



This preview shows how black text looks on a background with the XYZ color 55.9477, 50.4437, 7.5469.



This preview shows how white text looks on a background with the XYZ color 55.9477, 50.4437,

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

55.9477, 50.4437, 7.5469

Protanopia

45.8478, 50.6252, 8.4538

Deuteranopia

51.7715, 50.6128, 7.3278



Tritanopia

61.8800, 50.4715, 46.0157

Trichromacy



Original Color

55.9477, 50.4437, 7.5469

Protanomaly

48.9093, 50.0245, 8.0552

Deuteranomaly

53.2608, 50.4949, 7.3548

Tritanomaly

58.1462, 49.8404, 23.6951

Monochromacy



Original Color

55.9477, 50.4437, 7.5469

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.7703, 45.7212, 24.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9477, 50.4437, 7.5469 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, 171, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 22)  
}
```

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, 171, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 22) }
```

Border

The CSS property to change the border of an element to XYZ 55.9477, 50.4437, 7.5469 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, 171, 22) }
```


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

```
.border{ border-color:rgb(255, 171, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9477, 50.4437, 7.5469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 22) }
```

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

```
.background{ background-color: rgb(255,  
171, 22) }
```

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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