

Converting Colors

XYZ(103.7898, 71.9873,
18.5157)

Have a look what the booklet for
XYZ(103.7898, 71.9873, 18.5157)
contains.

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Color

**XYZ(55.7426, 47.1743,
16.2928)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA05C
RGB	255, 160, 92
RGB Percent	100%, 63%, 36%
CMY	0.0000, 0.3725, 0.6392
CMYK	0.00, 0.37, 0.64, 0.00
HSL	25°, 100%, 68%
HSV	25°, 64%, 100%
XYZ	55.7426, 47.1743, 16.2928
YIQ	180.6530, 78.4480, -1.0080

Conversions

Conversions Part 2

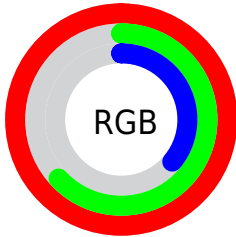
Format	Color
R _Y B	255, 209, 92
Decimal	16752732
CIE Lab	74.30, 29.29, 49.51
CIE LCh	74, 57.529, 59.389
Yxy	47.1743, 0.4676, 0.3957
Android (android.graphics.Color)	4294942812 (0xFFFFA05C)
YUV	180.6530, -43.7059, 65.2023
Hunter-Lab	68.6835, 24.6719, 34.0140

Details

The XYZ color **55.7426, 47.1743, 16.2928** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **40.2329, 45.0337, 101.1792**, and the grayscale version is **43.9335, 46.2215, 50.3352**.

A 20% lighter version of the original color is **70.5745, 71.8745, 36.5390**, and **28.0286, 22.3616, 5.0294** is the 20% darker color. If you saturate the color by 10%, you get **52.3858, 41.9547, 10.5692**, and if you desaturate by 10%, it is **59.7846, 53.1647, 24.0956**.

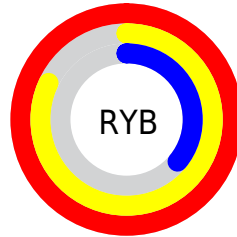
Distribution



Red (100%)

Green (63%)

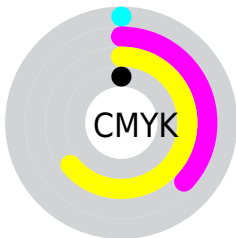
Blue (36%)



Red (100%)

Yellow (82%)

Blue (36%)

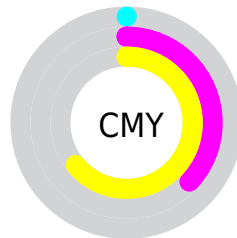


Cyan (0%)

Magenta (37%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7426, 47.1743, 16.2928 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 55.7426, 47.1743, 16.2928 by changing the saturation by 10% instead.


 55.7426, 47.1743,
16.2928


 55.7426, 47.1743,
16.2928


398.8115,
375.5098, 242.9677

 40.2328, 33.1735,
9.5750


 97.7701, 85.9737,
37.8796


 27.9051, 22.2594,
5.0162


 125.0185,
111.5411, 53.5857

 18.3942, 14.0476,
2.1979


 156.9105,
141.7328, 73.1250

 11.3348, 8.1538,
0.6731

 193.8114,
176.9333, 96.9159

 6.3614, 4.1935,
0.0000

236.0866,
217.5268, 125.3772

 3.1088, 1.7824,
0.0000

284.1015,

 1.2116, 0.4762,

263.8978, 158.9272

0.0000

338.2213,
316.4307, 197.9845

■ 0.1155, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7426, 47.1743,
16.2928

■ 55.7426, 47.1743,
16.2928

■ 52.3858, 41.9547,
10.5692

■ 59.7846, 53.1647,
24.0956

■ 49.6607, 37.4612,
6.7114

■ 64.5527, 59.9528,
34.1571

■ 47.5089, 33.6543,
4.4629

■ 70.0879, 67.5725,
46.6402

■ 46.4341, 31.6485,
3.6614

■ 76.4270, 76.0537,
61.6917

83.6039, 85.4243,
79.4468

91.6507, 95.7109,
100.0311

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



64.4872, 47.1743, 28.1835



55.7426, 47.1743, 16.2928



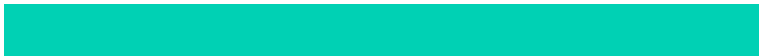
45.0502, 47.1743, 12.8752

Triad

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



55.7426, 47.1743, 16.2928



27.7510, 47.1743, 50.7598



55.3190, 47.1743, 118.6627

Complementary

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



55.7426, 47.1743, 16.2928



40.2329, 45.0337, 101.1792

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.



44.6260, 47.1743, 131.9280



55.7426, 47.1743, 16.2928



29.6500, 47.1743, 84.6794

Square

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



55.7426, 47.1743, 16.2928



29.8113, 47.1743, 27.4842



35.4568, 47.1743, 117.6044



64.2173, 47.1743, 86.1561

Rectangle

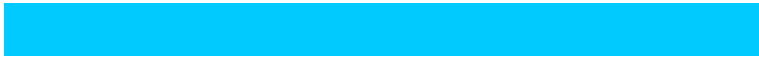
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.7426, 47.1743, 16.2928



38.5562, 47.1743, 14.2007



35.4568, 47.1743, 117.6044



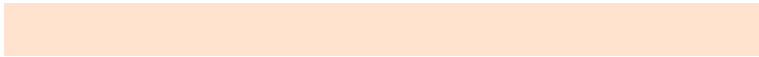
51.7670, 47.1743, 125.9699

Sweetspot

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



55.7437, 47.1767, 16.2937



79.8521, 80.5522, 70.0829



54.0458, 32.5060, 50.4866



16.6602, 16.6762, 13.9394



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.



55.7437, 47.1767, 16.2937



51.4820, 40.4954, 9.1932



74.7504, 85.1900, 22.6292



18.6320, 19.2322, 18.8745



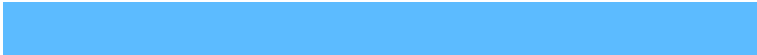
24.4023, 16.8158, 1.9596



2.4809, 1.8472, 0.2258

Inverse Universe

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



40.2329, 45.0337, 101.1792



34.7918, 38.0569, 100.1197



27.5751, 19.7181, 96.9599



17.8826, 19.1367, 23.0012



15.1660, 15.2416, 51.5772



1.5846, 1.7000, 5.0579

Previews

White Background



This preview shows how the XYZ color 55.7426, 47.1743, 16.2928 looks on a white background.

Color Contrast Check

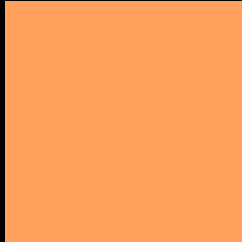
Large Text (above 18pt) WCAG AA × Fail

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 55.7426, 47.1743, 16.2928 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 55.7426, 47.1743, 16.2928

Background



This preview shows how black text looks on a background with the XYZ color 55.7426, 47.1743, 16.2928.



This preview shows how white text looks on a background with the XYZ color 55.7426, 47.1743,

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

55.7426, 47.1743, 16.2928

Protanopia

43.5909, 47.3436, 18.8973

Deuteranopia

48.3033, 47.1621, 16.0085



Tritanopia

59.4964, 47.0515, 41.0680

Trichromacy



Original Color

55.7426, 47.1743, 16.2928

Protanomaly

47.3064, 46.8952, 17.8676

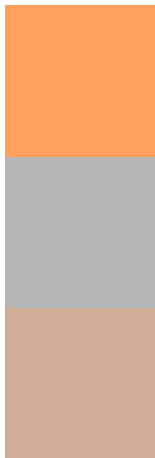
Deuteranomaly

50.9585, 47.1186, 16.0819

Tritanomaly

57.7159, 46.8719, 30.0500

Monochromacy



Original Color

55.7426, 47.1743, 16.2928

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.3808, 45.4670, 34.7652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7426, 47.1743, 16.2928 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, 160, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 92)  
}
```

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, 160, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 92) }
```

Border

The CSS property to change the border of an element to XYZ 55.7426, 47.1743, 16.2928 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, 160, 92) }
```


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

```
.border{ border-color:rgb(255, 160, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7426, 47.1743, 16.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 92) }
```

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

```
.background{ background-color: rgb(255,  
160, 92) }
```

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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