

Converting Colors

XYZ(96.0121, 67.8421, 21.7846)

Have a look what the booklet for
XYZ(96.0121, 67.8421, 21.7846)
contains.

XYZ(56.4123, 47.4422, 19.8197) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(56.4123, 47.4422,
19.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA06A
RGB	255, 160, 106
RGB Percent	100%, 63%, 42%
CMY	0.0000, 0.3725, 0.5843
CMYK	0.00, 0.37, 0.58, 0.00
HSL	22°, 100%, 71%
HSV	22°, 58%, 100%
XYZ	56.4123, 47.4422, 19.8197
YIQ	182.2490, 73.9540, 3.3460

Conversions

Conversions Part 2

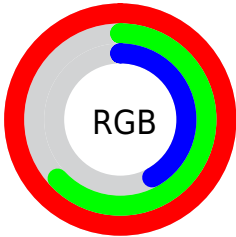
Format	Color
R_{YB}	255, 191, 106
Decimal	16752746
CIE _{Lab}	74.47, 30.23, 42.64
CIE _{LCh}	74, 52.267, 54.666
Yxy	47.4422, 0.4561, 0.3836
Android (android.graphics.Color)	4294942826 (0xFFFFA06A)
YUV	182.2490, -37.5908, 63.8026
Hunter-Lab	68.8783, 25.6570, 31.1541

Details

The XYZ color **56.4123, 47.4422, 19.8197** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.8792, 52.0548, 102.2894**, and the grayscale version is **44.7706, 47.1022, 51.2943**.

A 20% lighter version of the original color is **71.7120, 72.3295, 42.5291**, and **28.3492, 22.4899, 6.7177** is the 20% darker color. If you saturate the color by 10%, you get **52.6418, 41.7173, 12.9647**, and if you desaturate by 10%, it is **60.9478, 54.0667, 28.8751**.

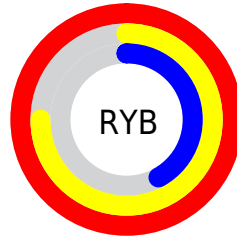
Distribution



Red (100%)

Green (63%)

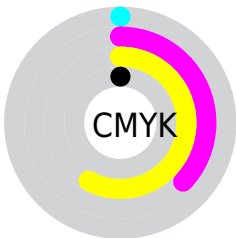
Blue (42%)



Red (100%)

Yellow (75%)

Blue (42%)

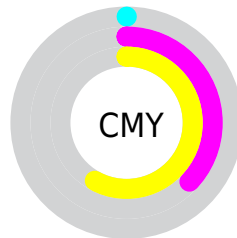


Cyan (0%)

Magenta (37%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4123, 47.4422, 19.8197 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 56.4123, 47.4422, 19.8197 by changing the saturation by 10% instead.


 56.4123, 47.4422,
19.8197


 56.4123, 47.4422,
19.8197


401.2933,
376.5769, 263.5092

 40.7719, 33.3854,
12.0813


 98.7435, 86.3733,
43.9697


 28.3278, 22.4218,
6.6758


 126.1649,
112.0164, 61.2183

 18.7146, 14.1672,
3.1849

 158.2441,
142.2903, 82.4741

 11.5670, 8.2370,
1.1898

 195.3464,
177.5795, 108.1556

 6.5197, 4.2470,
0.0000

237.8371,
218.2684, 138.6813

 3.2072, 1.8127,
0.0000

286.0816,

 1.2643, 0.4950,

264.7413, 174.4698

0.0000

340.4452,
317.3827, 215.9396

■ 0.1562, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4123, 47.4422,
19.8197

■ 56.4123, 47.4422,
19.8197

■ 52.6418, 41.7173,
12.9647

■ 60.9478, 54.0667,
28.8751

■ 49.5826, 36.8420,
8.1126

■ 66.2901, 61.6231,
40.2996

■ 47.1779, 32.7714,
5.0342

■ 72.4815, 70.1506,
54.2485

■ 45.3519, 29.4491,
3.4089

■ 79.5602, 79.6841,
70.8628

■ 45.1040, 28.9883,
3.2181

■ 87.5618, 90.2563,
90.2732

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.



63.6576, 47.4422, 32.8753



56.4123, 47.4422, 19.8197



46.7990, 47.4422, 15.2856

Triad

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



56.4123, 47.4422, 19.8197



29.3417, 47.4422, 46.9780



53.0901, 47.4422, 114.6725

Complementary

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



56.4123, 47.4422, 19.8197



44.8792, 52.0548, 102.2894

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.



43.4278, 47.4422, 122.5252



56.4123, 47.4422, 19.8197



30.5409, 47.4422, 76.4982

Square

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



56.4123, 47.4422, 19.8197



31.8594, 47.4422, 27.0690



35.3981, 47.4422, 106.6523



61.5599, 47.4422, 87.8835

Rectangle

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



56.4123, 47.4422, 19.8197



40.6559, 47.4422, 15.9463



35.3981, 47.4422, 106.6523



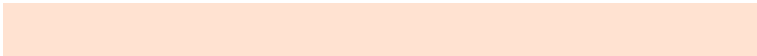
49.8404, 47.4422, 119.9346

Sweetspot

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



56.4134, 47.4446, 19.8206



79.8859, 80.1181, 71.6404



57.1556, 35.8730, 60.3181



16.6355, 16.5294, 14.2312



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.



56.4134, 47.4446, 19.8206



52.1162, 40.8972, 12.0761



72.8812, 80.3802, 25.3099



18.5483, 19.0648, 18.8466



23.6967, 15.4045, 1.7244



2.4066, 1.6987, 0.2010

Inverse Universe

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



44.8792, 52.0548, 102.2894



39.5492, 45.7346, 101.3509



31.7591, 25.8144, 97.9160



17.9688, 19.3091, 23.0299



16.3825, 17.6745, 51.9827



1.6990, 1.9286, 5.0960

Previews

White Background



This preview shows how the XYZ color 56.4123, 47.4422, 19.8197 looks on a white background.

Color Contrast Check

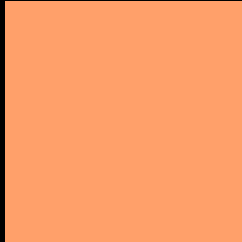
Large Text (above 18pt) WCAG AA × Fail

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 56.4123, 47.4422, 19.8197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

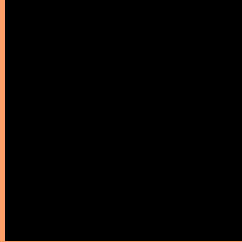
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4123, 47.4422, 19.8197

Background



This preview shows how black text looks on a background with the XYZ color 56.4123, 47.4422, 19.8197.



This preview shows how white text looks on a background with the XYZ color 56.4123, 47.4422,

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

56.4123, 47.4422, 19.8197

Protanopia

44.0544, 47.7981, 23.1237

Deuteranopia

48.5186, 47.4865, 19.4406



Tritanopia

59.7529, 47.4193, 41.6008

Trichromacy



Original Color

56.4123, 47.4422, 19.8197

Protanomaly

47.7698, 47.0454, 21.8922

Deuteranomaly

51.1344, 47.4111, 19.5529

Tritanomaly

58.3310, 47.3876, 32.4579

Monochromacy



Original Color

56.4123, 47.4422, 19.8197

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

47.2633, 46.1605, 36.9907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4123, 47.4422, 19.8197 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 106) }
```

Border

The CSS property to change the border of an element to XYZ 56.4123, 47.4422, 19.8197 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, 106) }
```


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

```
.border{ border-color:rgb(255, 160, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 160, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 160, 106); box-shadow:4px 4px 4px 4px rgb(255, 160, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4123, 47.4422, 19.8197 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, 106) }
```

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

```
.background{ background-color: rgb(255,  
160, 106) }
```

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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