

Converting Colors

XYZ(56.2448, 49.4739, 12.4675)

Have a look what the booklet for
XYZ(56.2448, 49.4739, 12.4675)
contains.

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Color

**XYZ(56.1960, 49.3524,
12.5253)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA747
RGB	255, 167, 71
RGB Percent	100%, 65%, 28%
CMY	0.0000, 0.3451, 0.7216
CMYK	0.00, 0.35, 0.72, 0.00
HSL	31°, 100%, 64%
HSV	31°, 72%, 100%
XYZ	56.1960, 49.3524, 12.5253
YIQ	182.3680, 83.2640, -11.2000

Conversions

Conversions Part 2

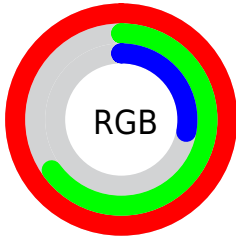
Format	Color
RYB	240, 255, 71
Decimal	16754503
CIELab	75.67, 24.53, 60.78
CIELCh	76, 65.545, 68.026
Yxy	49.3524, 0.4759, 0.4180
Android (android.graphics.Color)	4294944583 (0xFFFFA747)
YUV	182.3680, -54.9044, 63.6983
Hunter-Lab	70.2513, 19.8476, 38.6049

Details

The XYZ color **56.1960, 49.3524, 12.5253** 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 **33.0457, 33.3539, 99.3032**, and the grayscale version is **44.9239, 47.2634, 51.4699**.

A 20% lighter version of the original color is **70.9994, 74.9578, 29.7950**, and **28.1835, 23.6231, 3.3909** is the 20% darker color. If you saturate the color by 10%, you get **53.4132, 44.8336, 8.3722**, and if you desaturate by 10%, it is **59.5348, 54.4349, 18.5572**.

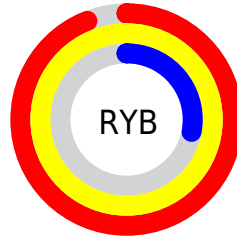
Distribution



Red (100%)

Green (65%)

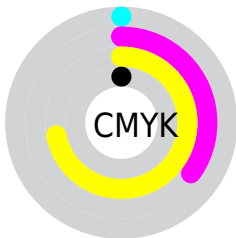
Blue (28%)



Red (94%)

Yellow (100%)

Blue (28%)

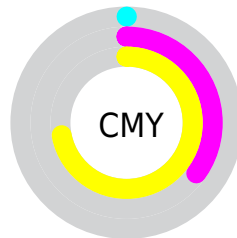


Cyan (0%)

Magenta (35%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1960, 49.3524, 12.5253 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 56.1960, 49.3524, 12.5253 by changing the saturation by 10% instead.


 56.1960, 49.3524,
12.5253


 56.1960, 49.3524,
12.5253


400.4928,
384.1280, 218.9525


 40.5977, 34.8991,
6.9756

 98.4292, 89.2146,
31.1269


 28.1912, 23.5852,
3.3686


 125.7949,
115.3923, 45.0158


 18.6110, 15.0262,
1.2858


 157.8137,
146.2470, 62.5217

 11.4919, 8.8378,
0.0501

 194.8511,
182.1630, 84.0629

 6.4684, 4.6355,
0.0000

 237.2723,
223.5247, 110.0580

 3.1753, 2.0350,
0.0000

285.4428,

 1.2471, 0.6277,

270.7165, 140.9257

0.0000

339.7278,
324.1228, 177.0843

■ 0.1431, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.1960, 49.3524,
12.5253

■ 56.1960, 49.3524,
12.5253

■ 53.4132, 44.8336,
8.3722

■ 59.5348, 54.4349,
18.5572

■ 51.1311, 40.8408,
5.8501

■ 63.4701, 60.0999,
26.6684

■ 49.6343, 38.0492,
4.7282

■ 68.0415, 66.3740,
37.0362

■ 73.2838, 73.2792,
49.8181

■ 79.2288, 80.8365,
65.1575

■ 85.9062, 89.0653,
83.1860

■ 93.3437, 97.9843,
104.0267

■ 95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



67.8037, 49.3524, 22.1779



56.1960, 49.3524, 12.5253



43.7235, 49.3524, 11.0004

Triad

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



56.1960, 49.3524, 12.5253



27.3821, 49.3524, 63.6221



62.8076, 49.3524, 125.4758

Complementary

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



56.1960, 49.3524, 12.5253



33.0457, 33.3539, 99.3032

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.



50.2435, 49.3524, 150.8404



56.1960, 49.3524, 12.5253



30.8178, 49.3524, 106.3370

Square

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



56.1960, 49.3524, 12.5253



28.4196, 49.3524, 32.4019



38.7043, 49.3524, 142.6331



72.0565, 49.3524, 82.8343

Rectangle

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



56.1960, 49.3524, 12.5253



36.7721, 49.3524, 13.6895



38.7043, 49.3524, 142.6331



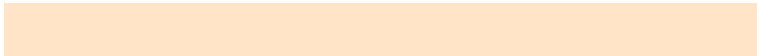
58.7537, 49.3524, 136.9900

Sweetspot

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



56.1971, 49.3549, 12.5262



79.3278, 80.9601, 65.4178



49.8325, 28.3024, 36.0640



16.6185, 16.8755, 13.0536



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.



56.1971, 49.3549, 12.5262



52.2492, 42.8358, 6.9642



77.0175, 92.6572, 19.7870



18.7936, 19.5554, 18.9284



26.0858, 20.1828, 2.5208



2.6493, 2.1840, 0.2819

Inverse Universe

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



33.0457, 33.3539, 99.3032



27.9500, 26.0818, 98.1689



23.1326, 13.1853, 95.9327



17.7197, 18.8110, 22.9469



13.2121, 11.3338, 50.9259



1.3950, 1.3207, 4.9947

Previews

White Background



This preview shows how the XYZ color 56.1960, 49.3524, 12.5253 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 56.1960, 49.3524, 12.5253 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 56.1960, 49.3524, 12.5253

Background



This preview shows how black text looks on a background with the XYZ color 56.1960, 49.3524, 12.5253.



This preview shows how white text looks on a background with the XYZ color 56.1960, 49.3524,

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

56.1960, 49.3524, 12.5253

Protanopia

45.1223, 49.4864, 14.1948

Deuteranopia

50.5681, 49.5818, 12.3739



Tritanopia

61.0665, 49.3039, 44.3283

Trichromacy



Original Color

56.1960, 49.3524, 12.5253

Protanomaly

48.6426, 49.1581, 13.5813

Deuteranomaly

52.4859, 49.4025, 12.3996

Tritanomaly

58.6403, 49.1756, 28.9554

Monochromacy



Original Color

56.1960, 49.3524, 12.5253

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.8991, 46.9526, 32.1821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1960, 49.3524, 12.5253 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, 167, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 71)  
}
```

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, 167, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 71) }
```

Border

The CSS property to change the border of an element to XYZ 56.1960, 49.3524, 12.5253 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, 167, 71) }
```


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

```
.border{ border-color:rgb(255, 167, 71) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1960, 49.3524, 12.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 71) }
```

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

```
.background{ background-color: rgb(255,  
167, 71) }
```

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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