

Converting Colors

XYZ(56.4012, 49.8443, 12.3430)

Have a look what the booklet for
XYZ(56.4012, 49.8443, 12.3430)
contains.

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Color

**XYZ(56.3168, 49.6949,
12.2541)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA845
RGB	255, 168, 69
RGB Percent	100%, 66%, 27%
CMY	0.0000, 0.3411, 0.7294
CMYK	0.00, 0.34, 0.73, 0.00
HSL	32°, 100%, 64%
HSV	32°, 73%, 100%
XYZ	56.3168, 49.6949, 12.2541
YIQ	182.7270, 83.6310, -12.3450

Conversions

Conversions Part 2

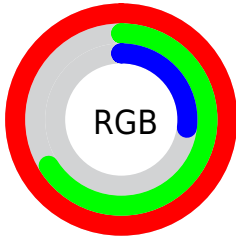
Format	Color
R_{YB}	232, 255, 69
Decimal	16754757
CIE _{Lab}	75.88, 23.91, 61.86
CIE _{LCh}	76, 66.317, 68.863
Yxy	49.6949, 0.4762, 0.4202
Android (android.graphics.Color)	4294944837 (0xFFFFA845)
YUV	182.7270, -56.0674, 63.3834
Hunter-Lab	70.4946, 19.2347, 39.0398

Details

The XYZ color **56.3168, 49.6949, 12.2541** 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 **32.3920, 32.2607, 99.1268**, and the grayscale version is **45.1267, 47.4768, 51.7023**.

A 20% lighter version of the original color is **71.1405, 75.4405, 29.2243**, and **28.2651, 23.8392, 3.2553** is the 20% darker color. If you saturate the color by 10%, you get **53.5870, 45.2419, 8.2424**, and if you desaturate by 10%, it is **59.5906, 54.6928, 18.1244**.

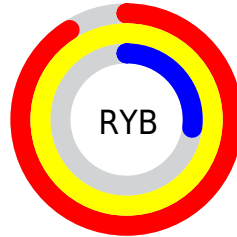
Distribution



Red (100%)

Green (66%)

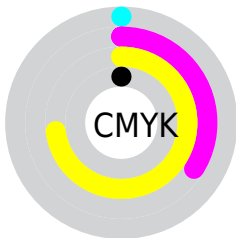
Blue (27%)



Red (91%)

Yellow (100%)

Blue (27%)

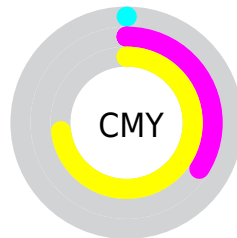


Cyan (0%)

Magenta (34%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3168, 49.6949, 12.2541 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 56.3168, 49.6949, 12.2541 by changing the saturation by 10% instead.


 56.3168, 49.6949,
12.2541

 56.3168, 49.6949,
12.2541


400.9400,
385.4716, 217.1176

 40.6950, 35.1710,
6.7923


 98.6047, 89.7227,
30.6283

 28.2674, 23.7947,
3.2561


 126.0016,
115.9953, 44.3779


 18.6688, 15.1814,
1.2268


 158.0541,
146.9531, 61.7272

 11.5338, 8.9468,
0.0007

 195.1277,
182.9803, 83.0946

 6.4970, 4.7065,
0.0000

 237.5878,
224.4614, 108.8989

 3.1931, 2.0761,
0.0000

285.7996,

 1.2567, 0.6511,

271.7807, 139.5584

0.0000

340.1285,
325.3226, 175.4918

■ 0.1504, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3168, 49.6949,
12.2541

■ 56.3168, 49.6949,
12.2541

■ 53.5870, 45.2419,
8.2424

■ 59.5906, 54.6928,
18.1244

■ 51.3455, 41.2967,
5.8373

■ 63.4490, 60.2539,
26.0563

■ 50.0064, 38.7932,
4.8522

■ 67.9316, 66.4042,
36.2287

■ 73.0732, 73.1652,
48.8004

78.9053, 80.5572,
63.9154

85.4575, 88.5991,
81.7064

92.7573, 97.3091,
102.2966

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



68.2227, 49.6949, 21.6900



56.3168, 49.6949, 12.2541



43.6713, 49.6949, 10.9093

Triad

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



56.3168, 49.6949, 12.2541



27.4541, 49.6949, 65.2688



63.7407, 49.6949, 126.1434

Complementary

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



56.3168, 49.6949, 12.2541



32.3920, 32.2607, 99.1268

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.



50.9844, 49.6949, 152.8533



56.3168, 49.6949, 12.2541



31.0622, 49.6949, 108.9282

Square

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



56.3168, 49.6949, 12.2541



28.3788, 49.6949, 33.1178



39.1835, 49.6949, 145.4609



73.0013, 49.6949, 82.4990

Rectangle

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



56.3168, 49.6949, 12.2541



36.6807, 49.6949, 13.7487



39.1835, 49.6949, 145.4609



59.6380, 49.6949, 138.1072

Sweetspot

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



56.3179, 49.6974, 12.2550



79.4905, 81.2856, 65.4721



49.6175, 28.0163, 35.5485



16.6568, 16.9523, 13.0664



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.



56.3179, 49.6974, 12.2550



52.3958, 43.1842, 6.8427



76.9425, 92.6259, 19.4540



18.8100, 19.5881, 18.9338



26.2806, 20.5724, 2.5857



2.6683, 2.2219, 0.2882

Inverse Universe

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



32.3920, 32.2607, 99.1268



27.3446, 24.9881, 97.9897



22.8584, 12.8583, 95.8842



17.7034, 18.7785, 22.9415



13.0414, 10.9924, 50.8690



1.3780, 1.2866, 4.9890

Previews

White Background



This preview shows how the XYZ color 56.3168, 49.6949, 12.2541 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 56.3168, 49.6949, 12.2541 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 56.3168, 49.6949, 12.2541

Background



This preview shows how black text looks on a background with the XYZ color 56.3168, 49.6949, 12.2541.



This preview shows how white text looks on a background with the XYZ color 56.3168, 49.6949,

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

56.3168, 49.6949, 12.2541

Protanopia

45.5477, 50.0297, 13.9127

Deuteranopia

50.8354, 49.7266, 12.0731



Tritanopia

61.3356, 49.6900, 44.8865

Trichromacy



Original Color

56.3168, 49.6949, 12.2541

Protanomaly

49.0905, 49.6975, 13.3086

Deuteranomaly

52.7671, 49.5546, 12.0941

Tritanomaly

58.8185, 49.5321, 29.0148

Monochromacy



Original Color

56.3168, 49.6949, 12.2541

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.0974, 47.3491, 32.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3168, 49.6949, 12.2541 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, 168, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 69)  
}
```

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, 168, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 69) }
```

Border

The CSS property to change the border of an element to XYZ 56.3168, 49.6949, 12.2541 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, 168, 69) }
```


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

```
.border{ border-color:rgb(255, 168, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3168, 49.6949, 12.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 69) }
```

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

```
.background{ background-color: rgb(255,  
168, 69) }
```

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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