

Converting Colors

XYZ(57.3843, 50.0389, 15.7466)

Have a look what the booklet for
XYZ(57.3843, 50.0389, 15.7466)
contains.

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Color

**XYZ(56.9629, 49.9534,
15.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA857
RGB	255, 168, 87
RGB Percent	100%, 66%, 34%
CMY	0.0000, 0.3411, 0.6588
CMYK	0.00, 0.34, 0.66, 0.00
HSL	29°, 100%, 67%
HSV	29°, 66%, 100%
XYZ	56.9629, 49.9534, 15.6565
YIQ	184.7790, 77.8530, -6.7470

Conversions

Conversions Part 2

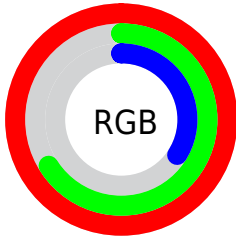
Format	Color
R _Y B	255, 243, 87
Decimal	16754775
CIE Lab	76.04, 24.83, 53.91
CIE LCh	76, 59.354, 65.272
Yxy	49.9534, 0.4647, 0.4075
Android (android.graphics.Color)	4294944855 (0xFFFFA857)
YUV	184.7790, -48.2050, 61.5838
Hunter-Lab	70.6777, 20.1766, 36.3405

Details

The XYZ color **56.9629, 49.9534, 15.6565** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **37.1155, 39.5162, 100.2782**, and the grayscale version is **46.2216, 48.6287, 52.9567**.

A 20% lighter version of the original color is **72.2879, 75.8994, 35.2662**, and **28.7969, 24.0815, 4.7205** is the 20% darker color. If you saturate the color by 10%, you get **53.7842, 44.9793, 10.3333**, and if you desaturate by 10%, it is **60.7593, 55.5748, 23.0009**.

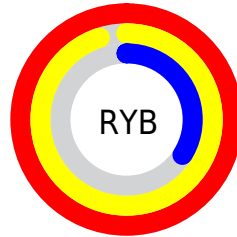
Distribution



Red (100%)

Green (66%)

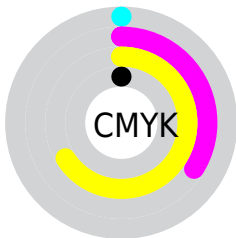
Blue (34%)



Red (100%)

Yellow (95%)

Blue (34%)

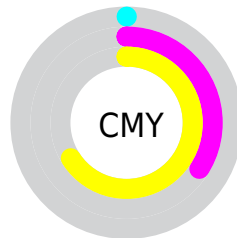


Cyan (0%)

Magenta (34%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9629, 49.9534, 15.6565 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 56.9629, 49.9534, 15.6565 by changing the saturation by 10% instead.


 56.9629, 49.9534,
15.6565


 56.9629, 49.9534,
15.6565


403.3267,
386.4837, 239.0823

 41.2155, 35.3764,
9.1297


 99.5427, 90.1058,
36.7593

 28.6759, 23.9529,
4.7279


 127.1058,
116.4500, 52.1724

 18.9788, 15.2987,
2.0326


 159.3382,
147.4854, 71.3846

 11.7589, 9.0293,
0.5752

 196.6052,
183.5963, 94.8146

 6.6508, 4.7603,
0.0000

239.2722,
225.1672, 122.8808

 3.2890, 2.1073,
0.0000

287.7046,

 1.3084, 0.6687,

272.5825, 156.0018

0.0000

342.2676,
326.2265, 194.5961

■ 0.1895, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9629, 49.9534,
15.6565

■ 56.9629, 49.9534,
15.6565

■ 53.7842, 44.9793,
10.3333

■ 60.7593, 55.5748,
23.0009

■ 51.1716, 40.6140,
6.8115

■ 65.2118, 61.8639,
32.5494

■ 49.0680, 36.8243,
4.8233

■ 70.3590, 68.8490,
44.4675

■ 48.3172, 35.4148,
4.2891

■ 76.2354, 76.5544,
58.9037

82.8726, 85.0027,
75.9942

90.3003, 94.2155,
95.8655

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



67.0887, 49.9534, 26.2120



56.9629, 49.9534, 15.6565



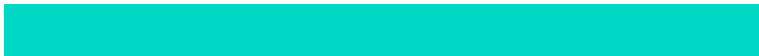
45.5479, 49.9534, 13.4427

Triad

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



56.9629, 49.9534, 15.6565



29.2636, 49.9534, 60.1935



60.8786, 49.9534, 120.9807

Complementary

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



56.9629, 49.9534, 15.6565



37.1155, 39.5162, 100.2782

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.



49.4643, 49.9534, 140.6069



56.9629, 49.9534, 15.6565



32.1198, 49.9534, 97.7932

Square

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



56.9629, 49.9534, 15.6565



30.6344, 49.9534, 32.6472



39.1113, 49.9534, 130.7900



69.5847, 49.9534, 84.1229

Rectangle

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



56.9629, 49.9534, 15.6565



38.9503, 49.9534, 15.7635



39.1113, 49.9534, 130.7900



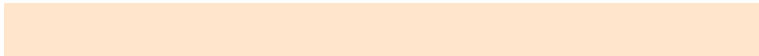
57.1703, 49.9534, 130.3508

Sweetspot

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



56.9641, 49.9559, 15.6574



80.0454, 81.4323, 68.6259



52.5441, 31.2350, 44.6461



16.7362, 16.9240, 13.6694



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.



56.9641, 49.9559, 15.6574



52.9114, 43.5542, 9.0529



76.9593, 89.9465, 22.3225



18.7322, 19.4325, 18.9079



25.3948, 18.8008, 2.2905



2.5813, 2.0480, 0.2593

Inverse Universe

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



37.1155, 39.5162, 100.2782



31.7511, 32.3994, 99.1880



25.8601, 17.0053, 96.5264



17.7811, 18.9338, 22.9674



13.8965, 12.7025, 51.1540



1.4625, 1.4556, 5.0172

Previews

White Background



This preview shows how the XYZ color 56.9629, 49.9534, 15.6565 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 56.9629, 49.9534, 15.6565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

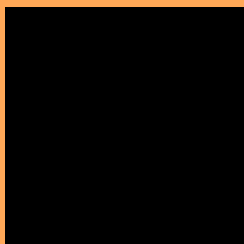
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9629, 49.9534, 15.6565

Background



This preview shows how black text looks on a background with the XYZ color 56.9629, 49.9534, 15.6565.



This preview shows how white text looks on a background with the XYZ color 56.9629, 49.9534,

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

56.9629, 49.9534, 15.6565

Protanopia

45.9714, 50.1666, 17.6161

Deuteranopia

51.3246, 50.2039, 15.3727



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

56.9629, 49.9534, 15.6565

Protanomaly

49.4635, 49.8106, 16.9049

Deuteranomaly

53.2453, 50.0166, 15.4422

Tritanomaly

59.3232, 49.7340, 31.6723

Monochromacy



Original Color

56.9629, 49.9534, 15.6565

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.1233, 48.1118, 35.1839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9629, 49.9534, 15.6565 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 87) }
```

Border

The CSS property to change the border of an element to XYZ 56.9629, 49.9534, 15.6565 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, 87) }
```


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

```
.border{ border-color:rgb(255, 168, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9629, 49.9534, 15.6565 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, 87) }
```

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

```
.background{ background-color: rgb(255,  
168, 87) }
```

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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