

Converting Colors

XYZ(85.4501, 64.6702, 15.9466)

Have a look what the booklet for
XYZ(85.4501, 64.6702, 15.9466)
contains.

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Color

**XYZ(56.7656, 49.8745,
14.6175)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFA852 |
| RGB | 255, 168, 82 |
| RGB Percent | 100%, 66%, 32% |
| CMY | 0.0000, 0.3411, 0.6784 |
| CMYK | 0.00, 0.34, 0.68, 0.00 |
| HSL | 30°, 100%, 66% |
| HSV | 30°, 68%, 100% |
| XYZ | 56.7656, 49.8745, 14.6175 |
| YIQ | 184.2090, 79.4580, -8.3020 |

Conversions

Conversions Part 2

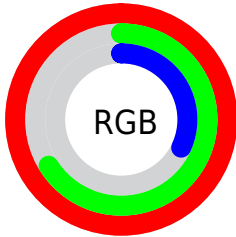
| Format | Color |
|-------------------------------------|---|
| RYB | 255, 253, 82 |
| Decimal | 16754770 |
| CIELab | 75.99, 24.55, 56.20 |
| CIELCh | 76, 61.327, 66.402 |
| Yxy | 49.8745, 0.4681, 0.4113 |
| Android (android.graphics.Color) | 4294944850 (0xFFFFA852) |
| YUV | 184.2090, -50.3890, 62.0837 |
| Hunter-Lab | 70.6219, 19.8893, 37.1633 |

Details

The XYZ color **56.7656, 49.8745, 14.6175** 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 **35.7167, 37.3877, 99.9411**, and the grayscale version is **45.9160, 48.3072, 52.6065**.

A 20% lighter version of the original color is **72.0009, 75.7846, 33.7547**, and **28.7153, 24.0488, 4.2908** is the 20% darker color. If you saturate the color by 10%, you get **53.7179, 45.0545, 9.6713**, and if you desaturate by 10%, it is **60.4094, 55.3106, 21.5410**.

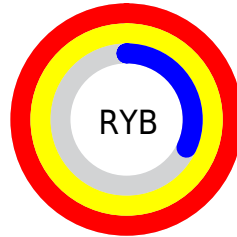
Distribution



Red (100%)

Green (66%)

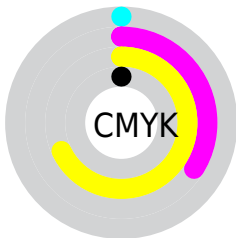
Blue (32%)



Red (100%)

Yellow (99%)

Blue (32%)

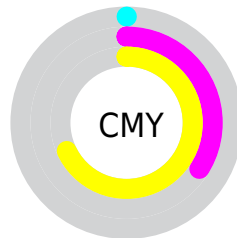


Cyan (0%)

Magenta (34%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7656, 49.8745, 14.6175 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 56.7656, 49.8745, 14.6175 by changing the saturation by 10% instead.


 56.7656, 49.8745,
14.6175


 56.7656, 49.8745,
14.6175


402.5988,
386.1750, 232.5997

 41.0565, 35.3137,
8.4078


 99.2564, 89.9889,
34.9135


 28.5511, 23.9046,
4.2655


 126.7688,
116.3113, 49.8369


 18.8841, 15.2629,
1.7721


 158.9464,
147.3230, 68.5018

 11.6900, 9.0041,
0.4094

 196.1545,
183.4084, 91.3269

 6.6037, 4.7438,
0.0000

 238.7584,
224.9519, 118.7307

 3.2596, 2.0978,
0.0000

287.1235,

 1.2925, 0.6634,

272.3379, 151.1318

0.0000

341.6152,
325.9508, 188.9486

■ 0.1776, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7656, 49.8745,
14.6175

■ 56.7656, 49.8745,
14.6175

■ 53.7179, 45.0545,
9.6713

■ 60.4094, 55.3106,
21.5410

■ 51.2140, 40.8127,
6.4749

■ 64.6881, 61.3825,
30.6297

■ 49.1913, 37.1148,
4.7292

■ 69.6405, 68.1177,
42.0524

■ 48.7997, 36.3798,
4.4500

■ 75.3010, 75.5393,
55.9603

81.7012, 83.6695,
72.4917

88.8707, 92.5287,
91.7746

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.



67.4028, 49.8745, 24.8437



56.7656, 49.8745, 14.6175



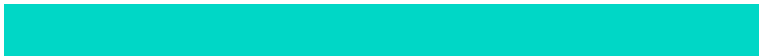
44.9936, 49.8745, 12.6780

Triad

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



56.7656, 49.8745, 14.6175



28.7336, 49.8745, 61.6363



61.6921, 49.8745, 122.4215

Complementary

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



56.7656, 49.8745, 14.6175



35.7167, 37.3877, 99.9411

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.



49.8994, 49.8745, 144.0398



56.7656, 49.8745, 14.6175



31.8132, 49.8745, 100.9223

Square

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



56.7656, 49.8745, 14.6175



29.9700, 49.8745, 32.7899



39.1331, 49.8745, 134.8997



70.5519, 49.8745, 83.6262

Rectangle

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



56.7656, 49.8745, 14.6175



38.2808, 49.8745, 15.1675



39.1331, 49.8745, 134.8997



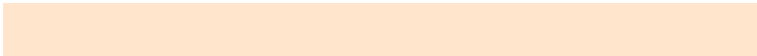
57.8730, 49.8745, 132.5238

Sweetspot

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



56.7668, 49.8770, 14.6184



80.2566, 81.8546, 68.6963



51.6445, 30.2497, 41.8371



16.7867, 17.0249, 13.6862



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.



56.7668, 49.8770, 14.6184



52.8713, 43.6541, 8.4847



77.6096, 91.5627, 21.5660



18.7553, 19.4789, 18.9156



25.6482, 19.3075, 2.3749



2.6064, 2.0982, 0.2676

Inverse Universe

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



35.7167, 37.3877, 99.9411



30.5696, 30.4180, 98.8678



24.7693, 15.4929, 96.2920



17.7578, 18.8873, 22.9596



13.6300, 12.1695, 51.0652



1.4364, 1.4034, 5.0085

Previews

White Background



This preview shows how the XYZ color 56.7656, 49.8745, 14.6175 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 56.7656, 49.8745, 14.6175 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 56.7656, 49.8745, 14.6175

Background



This preview shows how black text looks on a background with the XYZ color 56.7656, 49.8745, 14.6175.



This preview shows how white text looks on a background with the XYZ color 56.7656, 49.8745,

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

56.7656, 49.8745, 14.6175

Protanopia

45.7571, 50.0809, 16.4874

Deuteranopia

51.1357, 50.1284, 14.3777



Tritanopia

61.4313, 49.7283, 45.3905

Trichromacy



Original Color

56.7656, 49.8745, 14.6175

Protanomaly

49.2549, 49.7272, 15.8064

Deuteranomaly

53.0536, 49.9399, 14.4326

Tritanomaly

59.1757, 49.6750, 30.8954

Monochromacy



Original Color

56.7656, 49.8745, 14.6175

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.7652, 47.6490, 34.2834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7656, 49.8745, 14.6175 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 82) }
```

Border

The CSS property to change the border of an element to XYZ 56.7656, 49.8745, 14.6175 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, 82) }
```


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

```
.border{ border-color:rgb(255, 168, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7656, 49.8745, 14.6175 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
168, 82) }
```

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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