

Converting Colors

XYZ(56.7231, 49.2730, 16.1958)

Have a look what the booklet for
XYZ(56.7231, 49.2730, 16.1958)
contains.

XYZ(56.7217, 49.2706, 16.1935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.7217, 49.2706,
16.1935)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA65A
RGB	255, 166, 90
RGB Percent	100%, 65%, 35%
CMY	0.0000, 0.3490, 0.6470
CMYK	0.00, 0.35, 0.65, 0.00
HSL	28°, 100%, 68%
HSV	28°, 65%, 100%
XYZ	56.7217, 49.2706, 16.1935
YIQ	183.9470, 77.4400, -4.7680

Conversions

Conversions Part 2

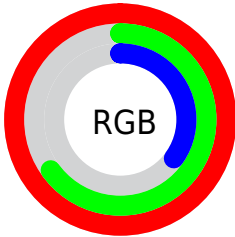
Format	Color
R _Y B	255, 231, 90
Decimal	16754266
CIE Lab	75.62, 26.05, 52.00
CIE LCh	76, 58.160, 63.393
Yxy	49.2706, 0.4642, 0.4032
Android (android.graphics.Color)	4294944346 (0xFFFFA65A)
YUV	183.9470, -46.3159, 62.3135
Hunter-Lab	70.1930, 21.4048, 35.4569

Details

The XYZ color **56.7217, 49.2706, 16.1935** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.3856, 41.6318, 100.6199**, and the grayscale version is **45.7497, 48.1322, 52.4160**.

A 20% lighter version of the original color is **71.9789, 74.9259, 36.2596**, and **28.6317, 23.6504, 4.9754** is the 20% darker color. If you saturate the color by 10%, you get **53.4490, 44.1746, 10.6353**, and if you desaturate by 10%, it is **60.6363, 55.0552, 23.8025**.

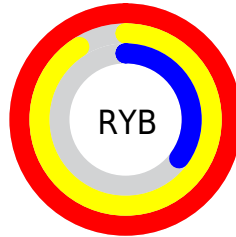
Distribution



Red (100%)

Green (65%)

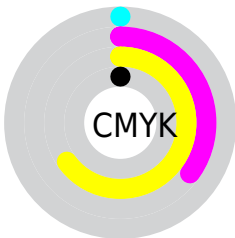
Blue (35%)



Red (100%)

Yellow (91%)

Blue (35%)

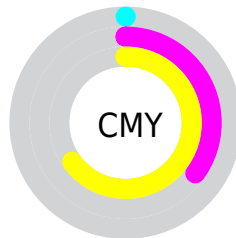


Cyan (0%)

Magenta (35%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7217, 49.2706, 16.1935 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 56.7217, 49.2706, 16.1935 by changing the saturation by 10% instead.


 56.7217, 49.2706,
16.1935

 56.7217, 49.2706,
16.1935


402.4367,
383.8066, 242.3654

 41.0211, 34.8342,
9.5053

 99.1927, 89.0932,
37.7053

 28.5233, 23.5352,
4.9710


 126.6938,
115.2482, 53.3659

 18.8630, 14.9892,
2.1718


 158.8592,
146.0782, 72.8546

 11.6747, 8.8118,
0.6580

 196.0541,
181.9676, 96.5896

 6.5932, 4.6186,
0.0000

238.6440,
223.3007, 124.9897

 3.2531, 2.0253,
0.0000

286.9941,

 1.2890, 0.6221,

270.4620, 158.4733

0.0000

341.4699,
323.8358, 197.4591

■ 0.1749, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7217, 49.2706,
16.1935

■ 56.7217, 49.2706,
16.1935

■ 53.4490, 44.1746,
10.6353

■ 60.6363, 55.0552,
23.8025

■ 50.7664, 39.7271,
6.9121


■ 65.2315, 61.5507,
33.6426


■ 48.6173, 35.8933,
4.7637

■ 70.5467, 68.7870,
45.8774

■ 47.6552, 34.0908,
4.0685

■ 76.6165, 76.7899,
60.6542

 83.4735, 85.5837,
78.1083

 91.1479, 95.1913,
98.3654

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.



66.3164, 49.2706, 27.1965



56.7217, 49.2706, 16.1935



45.6164, 49.2706, 13.5721

Triad

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



56.7217, 49.2706, 16.1935



29.0636, 49.2706, 57.2309



59.1658, 49.2706, 119.8886

Complementary

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



56.7217, 49.2706, 16.1935



38.3856, 41.6318, 100.6199

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.



48.0654, 49.2706, 137.2043



56.7217, 49.2706, 16.1935



31.5923, 49.2706, 93.3156

Square

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



56.7217, 49.2706, 16.1935



30.6598, 49.2706, 31.2437



38.1612, 49.2706, 125.9830



67.8725, 49.2706, 84.8036

Rectangle

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



56.7217, 49.2706, 16.1935



39.0864, 49.2706, 15.5695



38.1612, 49.2706, 125.9830



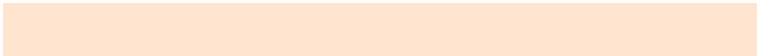
55.5347, 49.2706, 128.4815

Sweetspot

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



56.7228, 49.2731, 16.1944



80.4304, 81.7087, 70.2757



53.2111, 31.8986, 46.9346



16.7992, 16.9542, 13.9857



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.



56.7228, 49.2731, 16.1944



52.5026, 42.6391, 9.2172



76.2696, 88.3666, 22.7100



18.6989, 19.3659, 18.8968



25.0466, 18.1043, 2.1744



2.5465, 1.9784, 0.2477

Inverse Universe

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



38.3856, 41.6318, 100.6199



32.8509, 34.3925, 99.5147



26.6579, 18.1764, 96.7106



17.8146, 19.0009, 22.9786



14.2969, 13.5034, 51.2875



1.5014, 1.5335, 5.0301

Previews

White Background



This preview shows how the XYZ color 56.7217, 49.2706, 16.1935 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 56.7217, 49.2706, 16.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

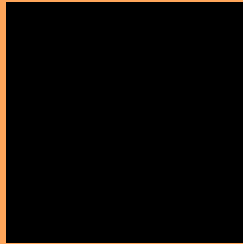
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7217, 49.2706, 16.1935

Background



This preview shows how black text looks on a background with the XYZ color 56.7217, 49.2706, 16.1935.



This preview shows how white text looks on a background with the XYZ color 56.7217, 49.2706,

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

56.7217, 49.2706, 16.1935

Protanopia

45.3816, 49.5255, 18.4768

Deuteranopia

50.5957, 49.5178, 15.9080



Tritanopia

61.0665, 49.3039, 44.3283

Trichromacy



Original Color

56.7217, 49.2706, 16.1935

Protanomaly

48.8809, 48.8956, 17.4512

Deuteranomaly

52.8327, 49.5019, 16.0028

Tritanomaly

58.9680, 49.0237, 31.5539

Monochromacy



Original Color

56.7217, 49.2706, 16.1935

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.8055, 47.3479, 35.4736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7217, 49.2706, 16.1935 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, 166, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 90)  
}
```

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, 166, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 90) }
```

Border

The CSS property to change the border of an element to XYZ 56.7217, 49.2706, 16.1935 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, 166, 90) }
```


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

```
.border{ border-color:rgb(255, 166, 90) }
```

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

Here you see how a box with a 4 pixel rgb(255, 166, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7217, 49.2706, 16.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 90) }
```

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

```
.background{ background-color: rgb(255,  
166, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor