

Converting Colors

XYZ(83.8878, 63.2105, 17.1908)

Have a look what the booklet for
XYZ(83.8878, 63.2105, 17.1908)
contains.

XYZ(56.6794, 49.2537, 15.9708)	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(56.6794, 49.2537,
15.9708)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA659
RGB	255, 166, 89
RGB Percent	100%, 65%, 35%
CMY	0.0000, 0.3490, 0.6510
CMYK	0.00, 0.35, 0.65, 0.00
HSL	28°, 100%, 67%
HSV	28°, 65%, 100%
XYZ	56.6794, 49.2537, 15.9708
YIQ	183.8330, 77.7610, -5.0790

Conversions

Conversions Part 2

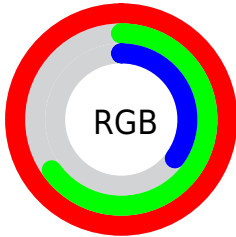
Format	Color
R _Y B	255, 233, 89
Decimal	16754265
CIE Lab	75.61, 25.99, 52.47
CIE LCh	76, 58.554, 63.651
Yxy	49.2537, 0.4650, 0.4040
Android (android.graphics.Color)	4294944345 (0xFFFFA659)
YUV	183.8330, -46.7527, 62.4135
Hunter-Lab	70.1810, 21.3430, 35.6343

Details

The XYZ color **56.6794, 49.2537, 15.9708** 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 **38.0893, 41.1826, 100.5487**, and the grayscale version is **45.6888, 48.0682, 52.3463**.

A 20% lighter version of the original color is **71.9042, 74.8960, 35.8659**, and **28.6153, 23.6439, 4.8893** is the 20% darker color. If you saturate the color by 10%, you get **53.4340, 44.1902, 10.4899**, and if you desaturate by 10%, it is **60.5620, 54.9988, 23.4938**.

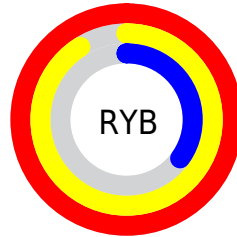
Distribution



Red (100%)

Green (65%)

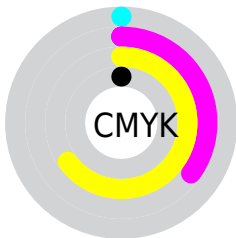
Blue (35%)



Red (100%)

Yellow (91%)

Blue (35%)

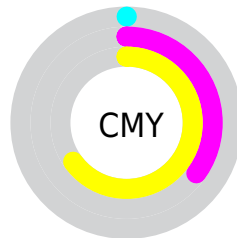


Cyan (0%)

Magenta (35%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6794, 49.2537, 15.9708 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 56.6794, 49.2537, 15.9708 by changing the saturation by 10% instead.

56.6794, 49.2537,
15.9708

56.6794, 49.2537,
15.9708

402.2805,
383.7402, 241.0092

40.9870, 34.8208,
9.3494

99.1313, 89.0681,
37.3136

28.4966, 23.5248,
4.8698

126.6215,
115.2184, 52.8720

18.8427, 14.9815,
2.1137

158.7751,
146.0433, 72.2465

11.6600, 8.8064,
0.6239

195.9574,
181.9272, 95.8557

6.5831, 4.6151,
0.0000

238.5337,
223.2544, 124.1180

3.2468, 2.0233,
0.0000

286.8694,

1.2856, 0.6209,

270.4094, 157.4519

0.0000

341.3299,
323.7765, 196.2762

■ 0.1724, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6794, 49.2537,
15.9708

■ 56.6794, 49.2537,
15.9708

■ 53.4340, 44.1902,
10.4899

■ 60.5620, 54.9988,
23.4938

■ 50.7739, 39.7684,
6.8339

■ 65.1207, 61.4476,
33.2402

■ 48.6422, 35.9536,
4.7402

■ 70.3946, 68.6298,
45.3741

■ 47.7527, 34.2857,
4.1010

■ 76.4186, 76.5709,
60.0434

83.2251, 85.2950,
77.3837

90.8441, 94.8249,
97.5210

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.



66.3785, 49.2537, 26.9029



56.6794, 49.2537, 15.9708



45.5006, 49.2537, 13.4117

Triad

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



56.6794, 49.2537, 15.9708



28.9544, 49.2537, 57.5170



59.3287, 49.2537, 120.1768

Complementary

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



56.6794, 49.2537, 15.9708



38.0893, 41.1826, 100.5487

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.



48.1528, 49.2537, 137.8898



56.6794, 49.2537, 15.9708



31.5298, 49.2537, 93.9339

Square

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



56.6794, 49.2537, 15.9708



30.5219, 49.2537, 31.2732



38.1657, 49.2537, 126.7982



68.0662, 49.2537, 84.6964

Rectangle

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



56.6794, 49.2537, 15.9708



38.9467, 49.2537, 15.4472



38.1657, 49.2537, 126.7982



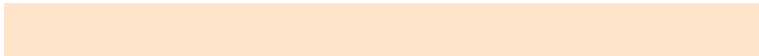
55.6756, 49.2537, 128.9168

Sweetspot

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



56.6805, 49.2562, 15.9717



79.7886, 80.9187, 68.5403



53.0812, 31.7126, 46.6643



16.6749, 16.8014, 13.6490



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.



56.6805, 49.2562, 15.9717



52.6040, 42.8420, 9.2510



76.2120, 88.3191, 22.4822



18.7039, 19.3759, 18.8985



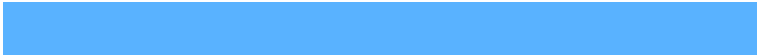
25.0979, 18.2070, 2.1915



2.5517, 1.9887, 0.2494

Inverse Universe

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



38.0893, 41.1826, 100.5487



32.7361, 34.1629, 99.4765



26.4726, 17.9493, 96.6765



17.8096, 18.9907, 22.9769



14.2352, 13.3800, 51.2669



1.4954, 1.5215, 5.0281

Previews

White Background



This preview shows how the XYZ color 56.6794, 49.2537, 15.9708 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 56.6794, 49.2537, 15.9708 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 56.6794, 49.2537, 15.9708

Background



This preview shows how black text looks on a background with the XYZ color 56.6794, 49.2537, 15.9708.



This preview shows how white text looks on a background with the XYZ color 56.6794, 49.2537,

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

56.6794, 49.2537, 15.9708

Protanopia

45.3352, 49.5070, 18.2327

Deuteranopia

50.5551, 49.5016, 15.6943



Tritanopia

61.0665, 49.3039, 44.3283

Trichromacy



Original Color

56.6794, 49.2537, 15.9708

Protanomaly

48.8364, 48.8778, 17.2163

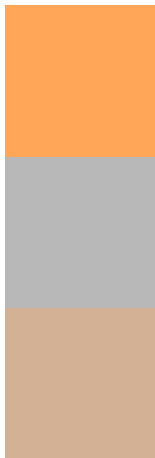
Deuteranomaly

52.7915, 49.4855, 15.7861

Tritanomaly

58.9680, 49.0237, 31.5539

Monochromacy



Original Color

56.6794, 49.2537, 15.9708

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.7253, 47.3158, 35.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6794, 49.2537, 15.9708 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 89) }
```

Border

The CSS property to change the border of an element to XYZ 56.6794, 49.2537, 15.9708 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, 89) }
```


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

```
.border{ border-color:rgb(255, 166, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6794, 49.2537, 15.9708 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, 89) }
```

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

```
.background{ background-color: rgb(255,  
166, 89) }
```

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