

Converting Colors

XYZ(55.8319, 49.7039, 13.4476)

Have a look what the booklet for
XYZ(55.8319, 49.7039, 13.4476)
contains.

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Color

**XYZ(56.0005, 49.7804,
13.4945)**

Conversions

Conversions Part 1

Format	Color
Hex	FDA94C
RGB	253, 169, 76
RGB Percent	99%, 66%, 30%
CMY	0.0078, 0.3372, 0.7020
CMYK	0.00, 0.33, 0.70, 0.01
HSL	32°, 98%, 65%
HSV	32°, 70%, 99%
XYZ	56.0005, 49.7804, 13.4945
YIQ	183.5140, 79.9170, -11.1150

Conversions

Conversions Part 2

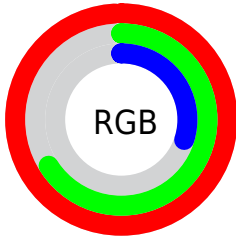
Format	Color
R _Y B	236, 253, 76
Decimal	16623948
CIE Lab	75.93, 22.90, 58.79
CIE LCh	76, 63.094, 68.719
Yxy	49.7804, 0.4695, 0.4174
Android (android.graphics.Color)	4294814028 (0xFFFDA94C)
YUV	183.5140, -53.0044, 60.9392
Hunter-Lab	70.5552, 18.2059, 38.0488

Details

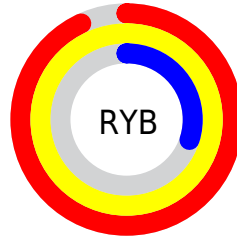
The XYZ color **56.0005, 49.7804, 13.4945** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.2801, 33.7683, 97.6918**, and the grayscale version is **45.5452, 47.9171, 52.1817**.

A 20% lighter version of the original color is **71.8581, 76.1563, 31.6812**, and **28.2258, 23.9796, 3.8027** is the 20% darker color. If you saturate the color by 10%, you get **53.1559, 45.2333, 9.0270**, and if you desaturate by 10%, it is **59.3981, 54.8811, 19.8523**.

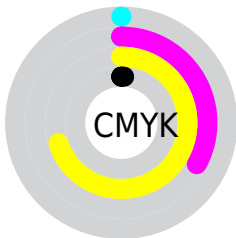
Distribution



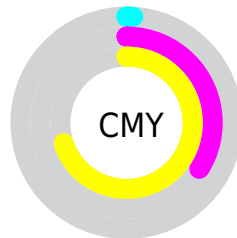
- Red (99%)
- Green (66%)
- Blue (30%)



- Red (93%)
- Yellow (99%)
- Blue (30%)



- Cyan (0%)
- Magenta (33%)
- Yellow (70%)
- Black (1%)



- Cyan (1%)
- Magenta (34%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0005, 49.7804, 13.4945 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 56.0005, 49.7804, 13.4945 by changing the saturation by 10% instead.

56.0005, 49.7804,
13.4945

56.0005, 49.7804,
13.4945

399.7684,
385.8066, 225.3810

40.4403, 35.2389,
7.6352

98.1451, 89.8494,
32.8935

28.0678, 23.8470,
3.7780

125.4603,
116.1458, 47.2703

18.5175, 15.2202,
1.5044

157.4245,
147.1292, 65.3233

11.4241, 8.9740,
0.2212

194.4030,
183.1841, 87.4711

6.4222, 4.7243,
0.0000

236.7614,
224.6949, 114.1322

3.1466, 2.0864,
0.0000

284.8648,

1.2317, 0.6570,

272.0460, 145.7252

0.0000

339.0787,
325.6218, 182.6686

■ 0.1312, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0005, 49.7804,
13.4945

■ 56.0005, 49.7804,
13.4945

■ 53.1559, 45.2333,
9.0270

■ 59.3981, 54.8811,
19.8523

■ 50.8123, 41.2038,
6.2177


■ 63.3868, 60.5527,
28.2901


■ 48.8944, 37.6549,
4.6941


■ 68.0045, 66.8208,
38.9774

■ 48.8872, 37.6413,
4.6889

■ 73.2845, 73.7064,
52.0651

 79.2574, 81.2294,
67.6910

 85.9517, 89.4086,
85.9824

 93.3942, 98.2618,
107.0580

94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



67.2294, 49.7804, 22.9598



56.0005, 49.7804, 13.4945



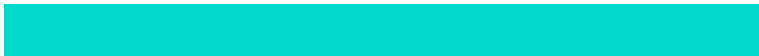
43.9707, 49.7804, 12.0952

Triad

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



56.0005, 49.7804, 13.4945



28.3068, 49.7804, 64.6184



62.9061, 49.7804, 122.0106

Complementary

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



56.0005, 49.7804, 13.4945



33.2801, 33.7683, 97.6918

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.



50.8242, 49.7804, 146.6541



56.0005, 49.7804, 13.4945



31.7813, 49.7804, 105.6059

Square

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



56.0005, 49.7804, 13.4945



29.2253, 49.7804, 33.9412



39.5771, 49.7804, 139.6514



71.6532, 49.7804, 81.2512

Rectangle

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



56.0005, 49.7804, 13.4945



37.2645, 49.7804, 14.9482



39.5771, 49.7804, 139.6514



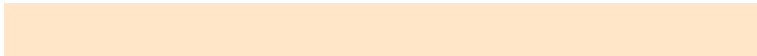
59.0268, 49.7804, 133.0874

Sweetspot

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



56.0016, 49.7829, 13.4954



80.0180, 81.8630, 67.1200



49.5741, 28.6445, 36.8897



16.7567, 17.0592, 13.3856



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.



56.0016, 49.7829, 13.4954



53.0859, 44.3170, 7.8357



75.8717, 91.1051, 20.4241



18.7993, 19.5668, 18.9303



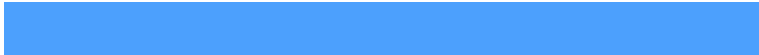
26.1535, 20.3182, 2.5434



2.6559, 2.1972, 0.2841

Inverse Universe

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



33.2801, 33.7683, 97.6918



28.6961, 27.1665, 98.3390



23.5347, 13.9213, 94.3746



17.7140, 18.7996, 22.9450



13.1518, 11.2131, 50.9058



1.3890, 1.3087, 4.9927

Previews

White Background



This preview shows how the XYZ color 56.0005, 49.7804, 13.4945 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 56.0005, 49.7804, 13.4945 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 56.0005, 49.7804, 13.4945

Background



This preview shows how black text looks on a background with the XYZ color 56.0005, 49.7804, 13.4945.



This preview shows how white text looks on a background with the XYZ color 56.0005, 49.7804,

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

56.0005, 49.7804, 13.4945

Protanopia

45.5186, 49.9855, 15.2317

Deuteranopia

50.7273, 49.6455, 13.2122



Tritanopia

61.4313, 49.7283, 45.3905

Trichromacy



Original Color

56.0005, 49.7804, 13.4945

Protanomaly

48.7123, 49.4742, 14.5715

Deuteranomaly

52.5012, 49.6796, 13.3006

Tritanomaly

58.6639, 49.4279, 30.1155

Monochromacy



Original Color

56.0005, 49.7804, 13.4945

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.5254, 47.8398, 33.5172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0005, 49.7804, 13.4945 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(253, 169, 76)` looks like.

```
.text, #text, p{  
    color:rgb(253, 169, 76)  
}
```

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(253, 169, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 169, 76) }
```

Border

The CSS property to change the border of an element to XYZ 56.0005, 49.7804, 13.4945 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(253, 169, 76) }
```


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

```
.border{ border-color:rgb(253, 169, 76) }
```

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

Here you see how a box with a 4 pixel rgb(253, 169, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 169, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 169, 76);  
box-shadow:4px 4px 4px 4px rgb(253, 169,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0005, 49.7804, 13.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 169, 76) }
```

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

```
.background{ background-color: rgb(253,  
169, 76) }
```

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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