

Converting Colors

XYZ(56.7028, 50.0703, 13.6058)

Have a look what the booklet for
XYZ(56.7028, 50.0703, 13.6058)
contains.

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Color

**XYZ(56.7675, 50.1718,
13.7133)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA94D
RGB	255, 169, 77
RGB Percent	100%, 66%, 30%
CMY	0.0000, 0.3372, 0.6980
CMYK	0.00, 0.34, 0.70, 0.00
HSL	31°, 100%, 65%
HSV	31°, 70%, 100%
XYZ	56.7675, 50.1718, 13.7133
YIQ	184.2260, 80.7880, -10.3800

Conversions

Conversions Part 2

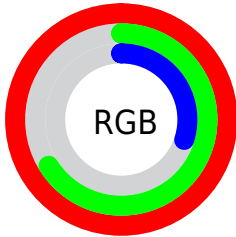
Format	Color
R_{YB}	243, 255, 77
Decimal	16755021
CIE Lab	76.17, 23.77, 58.67
CIE LCh	76, 63.302, 67.946
Yxy	50.1718, 0.4705, 0.4158
Android (android.graphics.Color)	4294945101 (0xFFFFA94D)
YUV	184.2260, -52.8624, 62.0688
Hunter-Lab	70.8321, 19.1006, 38.1037

Details

The XYZ color **56.7675, 50.1718, 13.7133** 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 **34.2068, 34.9902, 99.5579**, and the grayscale version is **45.9382, 48.3305, 52.6319**.

A 20% lighter version of the original color is **71.9249, 76.1830, 32.0330**, and **28.4890, 24.1142, 3.8624** is the 20% darker color. If you saturate the color by 10%, you get **53.8526, 45.5118, 9.1367**, and if you desaturate by 10%, it is **60.2533, 55.4099, 20.2209**.

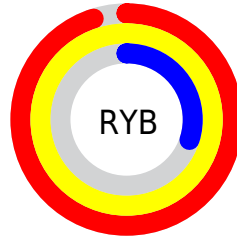
Distribution



Red (100%)

Green (66%)

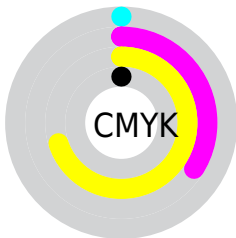
Blue (30%)



Red (95%)

Yellow (100%)

Blue (30%)

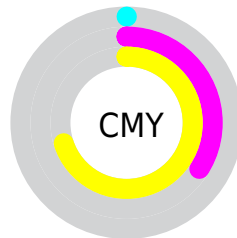


Cyan (0%)

Magenta (34%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7675, 50.1718, 13.7133 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 56.7675, 50.1718, 13.7133 by changing the saturation by 10% instead.

56.7675, 50.1718,
13.7133

56.7675, 50.1718,
13.7133

402.6058,
387.3374, 226.8060

41.0580, 35.5499,
7.7851

99.2592, 90.4294,
33.2892

28.5523, 24.0868,
3.8719

126.7721,
116.8339, 47.7740

18.8850, 15.3980,
1.5554

158.9502,
147.9347, 65.9480

11.6907, 9.0992,
0.2587

196.1588,
184.1162, 88.2298

6.6041, 4.8059,
0.0000

238.7633,
225.7628, 115.0380

3.2599, 2.1339,
0.0000

287.1291,

1.2926, 0.6836,

273.2590, 146.7911

0.0000

341.6215,
326.9890, 183.9075

■ 0.1777, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7675, 50.1718,
13.7133

■ 56.7675, 50.1718,
13.7133

■ 53.8526, 45.5118,
9.1367

■ 60.2533, 55.4099,
20.2209

■ 51.4554, 41.3929,
6.2551

■ 64.3492, 61.2445,
28.8527

■ 49.5004, 37.7769,
4.6972

■ 69.0939, 67.7022,
39.7812

■ 49.4647, 37.7100,
4.6717

■ 74.5218, 74.8050,
53.1601

80.6642, 82.5738,
69.1299

87.5504, 91.0281,
87.8202

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.



68.0146, 50.1718, 23.5164



56.7675, 50.1718, 13.7133



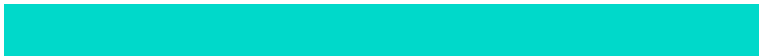
44.6046, 50.1718, 12.1274

Triad

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



56.7675, 50.1718, 13.7133



28.4869, 50.1718, 64.1590



63.1212, 50.1718, 123.9701

Complementary

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



56.7675, 50.1718, 13.7133



34.2068, 34.9902, 99.5579

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.



50.9078, 50.1718, 148.1401



56.7675, 50.1718, 13.7133



31.8758, 50.1718, 105.4050

Square

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



56.7675, 50.1718, 13.7133



29.5271, 50.1718, 33.6008



39.6301, 50.1718, 140.2164



72.0859, 50.1718, 82.9881

Rectangle

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



56.7675, 50.1718, 13.7133



37.7825, 50.1718, 14.8731



39.6301, 50.1718, 140.2164



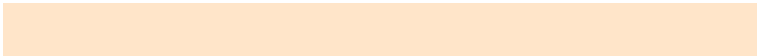
59.1863, 50.1718, 134.9669

Sweetspot

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



56.7687, 50.1744, 13.7142



79.8908, 81.6086, 67.0776



50.5077, 29.2135, 37.6431



16.7265, 16.9988, 13.3755



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.



56.7687, 50.1744, 13.7142



52.7869, 43.7190, 7.7360



77.2560, 92.7568, 20.8537



18.7860, 19.5402, 18.9258



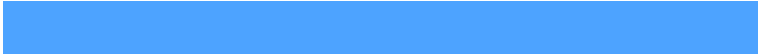
25.9969, 20.0051, 2.4912



2.6406, 2.1667, 0.2790

Inverse Universe

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



34.2068, 34.9902, 99.5579



28.9725, 27.7194, 98.4311



24.0096, 14.2322, 96.0886



17.7272, 18.8261, 22.9494



13.2929, 11.4955, 50.9528



1.4030, 1.3368, 4.9973

Previews

White Background



This preview shows how the XYZ color 56.7675, 50.1718, 13.7133 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 56.7675, 50.1718, 13.7133 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 56.7675, 50.1718, 13.7133

Background



This preview shows how black text looks on a background with the XYZ color 56.7675, 50.1718, 13.7133.



This preview shows how white text looks on a background with the XYZ color 56.7675, 50.1718,

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

56.7675, 50.1718, 13.7133

Protanopia

45.8390, 50.1463, 15.4468

Deuteranopia

51.2878, 50.2270, 13.4702



Tritanopia

61.7032, 50.1178, 45.9568

Trichromacy



Original Color

56.7675, 50.1718, 13.7133

Protanomaly

49.3731, 49.8106, 14.7967

Deuteranomaly

53.2179, 50.0452, 13.5114

Tritanomaly

59.2826, 50.0052, 30.5722

Monochromacy



Original Color

56.7675, 50.1718, 13.7133

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.8093, 47.9862, 33.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7675, 50.1718, 13.7133 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, 169, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 77)  
}
```

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, 169, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 77) }
```

Border

The CSS property to change the border of an element to XYZ 56.7675, 50.1718, 13.7133 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, 169, 77) }
```


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

```
.border{ border-color:rgb(255, 169, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7675, 50.1718, 13.7133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 77) }
```

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

```
.background{ background-color: rgb(255,  
169, 77) }
```

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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