

Converting Colors

XYZ(56.9546, 50.5270, 13.8337)

Have a look what the booklet for
XYZ(56.9546, 50.5270, 13.8337)
contains.

| | |
|--|----|
| XYZ(56.9543, 50.5453, 13.7756) | 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(56.9543, 50.5453,
13.7756)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFAA4D |
| RGB | 255, 170, 77 |
| RGB Percent | 100%, 67%, 30% |
| CMY | 0.0000, 0.3333, 0.6980 |
| CMYK | 0.00, 0.33, 0.70, 0.00 |
| HSL | 31°, 100%, 65% |
| HSV | 31°, 70%, 100% |
| XYZ | 56.9543, 50.5453, 13.7756 |
| YIQ | 184.8130, 80.5130, -10.9030 |

Conversions

Conversions Part 2

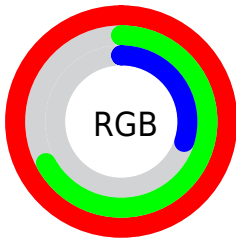
| Format | Color |
|-------------------------------------|---|
| RYB | 240, 255, 77 |
| Decimal | 16755277 |
| CIELab | 76.40, 23.25, 58.91 |
| CIELCh | 76, 63.333, 68.466 |
| Yxy | 50.5453, 0.4696, 0.4168 |
| Android (android.graphics.Color) | 4294945357 (0xFFFFAA4D) |
| YUV | 184.8130, -53.1518, 61.5540 |
| Hunter-Lab | 71.0952, 18.5795, 38.2785 |

Details

The XYZ color **56.9543, 50.5453, 13.7756** 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 **34.0301, 34.6368, 99.4991**, and the grayscale version is **46.2662, 48.6756, 53.0078**.

A 20% lighter version of the original color is **72.1945, 76.7221, 32.1229**, and **28.6061, 24.3485, 3.9015** is the 20% darker color. If you saturate the color by 10%, you get **54.0465, 45.8995, 9.2013**, and if you desaturate by 10%, it is **60.4285, 55.7602, 20.2794**.

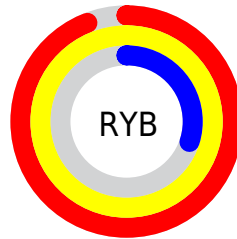
Distribution



Red (100%)

Green (67%)

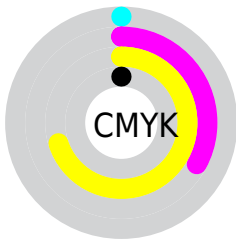
Blue (30%)



Red (94%)

Yellow (100%)

Blue (30%)

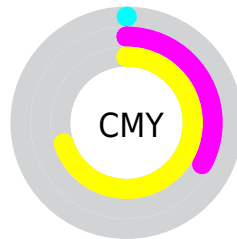


Cyan (0%)

Magenta (33%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9543, 50.5453, 13.7756 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 56.9543, 50.5453, 13.7756 by changing the saturation by 10% instead.

56.9543, 50.5453,
13.7756

56.9543, 50.5453,
13.7756

403.2950,
388.7946, 227.2100

41.2085, 35.8469,
7.8278

99.5302, 90.9823,
33.4017

28.6705, 24.3160,
3.8988

127.0911,
117.4896, 47.9171

18.9747, 15.5682,
1.5700

159.3211,
148.7021, 66.1254

11.7559, 9.2191,
0.2693

196.5856,
185.0040, 88.4452

6.6487, 4.8844,
0.0000

239.2498,
226.7799, 115.2950

3.2878, 2.1796,
0.0000

287.6793,

1.3077, 0.7088,

274.4140, 147.0934

0.0000

342.2392,
328.2907, 184.2589

■ 0.1890, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9543, 50.5453,
13.7756

■ 56.9543, 50.5453,
13.7756

■ 54.0465, 45.8995,
9.2013

■ 60.4285, 55.7602,
20.2794

■ 51.6520, 41.7860,
6.3206

■ 64.5080, 61.5621,
28.9058

■ 49.6958, 38.1675,
4.7623

■ 69.2315, 67.9772,
39.8272

■ 49.6600, 38.1004,
4.7367

■ 74.6330, 75.0272,
53.1973

■ 80.7436, 82.7325,
69.1566

■ 87.5926, 91.1123,
87.8345

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



68.3126, 50.5453, 23.4711



56.9543, 50.5453, 13.7756



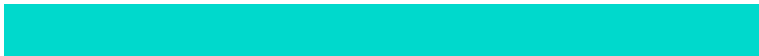
44.7461, 50.5453, 12.2965

Triad

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



56.9543, 50.5453, 13.7756



28.7521, 50.5453, 65.2748



63.7544, 50.5453, 124.0808

Complementary

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



56.9543, 50.5453, 13.7756



34.0301, 34.6368, 99.4991

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.



51.4954, 50.5453, 148.8265



56.9543, 50.5453, 13.7756



32.2391, 50.5453, 106.7917

Square

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



56.9543, 50.5453, 13.7756



29.7215, 50.5453, 34.2882



40.1112, 50.5453, 141.4479



72.6685, 50.5453, 82.8128

Rectangle

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



56.9543, 50.5453, 13.7756



37.9253, 50.5453, 15.1511



40.1112, 50.5453, 141.4479



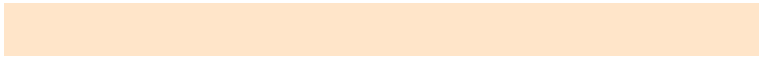
59.8141, 50.5453, 135.2476

Sweetspot

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



56.9555, 50.5479, 13.7765



79.9742, 81.7753, 67.1054



50.5078, 29.2136, 37.6433



16.7463, 17.0384, 13.3821



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.



56.9555, 50.5479, 13.7765



52.9824, 44.1099, 7.8012



77.2561, 92.7569, 20.8538



18.7947, 19.5577, 18.9287



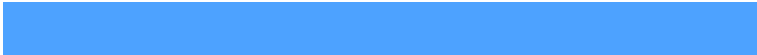
26.0992, 20.2096, 2.5253



2.6506, 2.1866, 0.2824

Inverse Universe

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



34.0301, 34.6368, 99.4991



28.7908, 27.3560, 98.3705



24.0097, 14.2323, 96.0888



17.7185, 18.8087, 22.9465



13.2001, 11.3097, 50.9219



1.3938, 1.3183, 4.9943

Previews

White Background



This preview shows how the XYZ color 56.9543, 50.5453, 13.7756 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 56.9543, 50.5453, 13.7756 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 56.9543, 50.5453, 13.7756

Background



This preview shows how black text looks on a background with the XYZ color 56.9543, 50.5453, 13.7756.



This preview shows how white text looks on a background with the XYZ color 56.9543, 50.5453,

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

56.9543, 50.5453, 13.7756

Protanopia

46.3373, 50.7214, 15.5316

Deuteranopia

51.8182, 50.7991, 13.5527



Tritanopia

61.9772, 50.5104, 46.5273

Trichromacy



Original Color

56.9543, 50.5453, 13.7756

Protanomaly

49.5772, 50.2187, 14.8648

Deuteranomaly

53.4133, 50.4359, 13.5765

Tritanomaly

59.5364, 50.3965, 31.0157

Monochromacy



Original Color

56.9543, 50.5453, 13.7756

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.0879, 48.4195, 34.0055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9543, 50.5453, 13.7756 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, 170, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 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, 170, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 77) }
```

Border

The CSS property to change the border of an element to XYZ 56.9543, 50.5453, 13.7756 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, 170, 77) }
```


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

```
.border{ border-color:rgb(255, 170, 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, 170, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9543, 50.5453, 13.7756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 77) }
```

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

```
.background{ background-color: rgb(255,  
170, 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](#).

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