

Converting Colors

XYZ(56.2513, 49.0825, 13.7167)

Have a look what the booklet for
XYZ(56.2513, 49.0825, 13.7167)
contains.

XYZ(56.2514, 49.0825, 13.7168)	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(56.2514, 49.0825,
13.7168)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA64E
RGB	255, 166, 78
RGB Percent	100%, 65%, 31%
CMY	0.0000, 0.3490, 0.6941
CMYK	0.00, 0.35, 0.69, 0.00
HSL	30°, 100%, 65%
HSV	30°, 69%, 100%
XYZ	56.2514, 49.0825, 13.7168
YIQ	182.5790, 81.2920, -8.5000

Conversions

Conversions Part 2

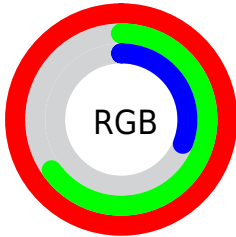
Format	Color
R_{YB}	255, 253, 78
Decimal	16754254
CIE _{Lab}	75.50, 25.38, 57.50
CIE _{LCh}	76, 62.857, 66.181
Yxy	49.0825, 0.4725, 0.4123
Android (android.graphics.Color)	4294944334 (0xFFFFA64E)
YUV	182.5790, -51.5574, 63.5132
Hunter-Lab	70.0589, 20.7174, 37.4329

Details

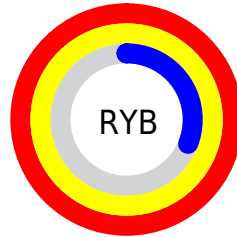
The XYZ color **56.2514, 49.0825, 13.7168** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.0098, 36.4753, 99.8025**, and the grayscale version is **45.0225, 47.3672, 51.5828**.

A 20% lighter version of the original color is **71.1932, 74.6116, 32.1219**, and **28.1745, 23.4380, 3.9032** is the 20% darker color. If you saturate the color by 10%, you get **53.2927, 44.3558, 9.0612**, and if you desaturate by 10%, it is **59.7990, 54.4207, 20.3171**.

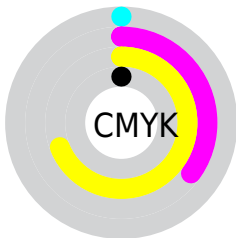
Distribution



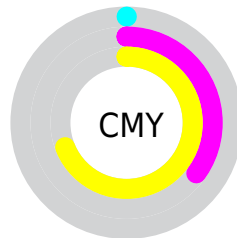
- Red (100%)
- Green (65%)
- Blue (31%)



- Red (100%)
- Yellow (99%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2514, 49.0825, 13.7168 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 56.2514, 49.0825, 13.7168 by changing the saturation by 10% instead.


 56.2514, 49.0825,
13.7168


 56.2514, 49.0825,
13.7168


400.6979,
383.0670, 226.8287

 40.6423, 34.6849,
7.7875


 98.5097, 88.8140,
33.2955

 28.2261, 23.4203,
3.8734


 125.8897,
114.9167, 47.7820


 18.6375, 14.9041,
1.5562


 157.9240,
145.6898, 65.9580

 11.5111, 8.7521,
0.2593

 194.9780,
181.5179, 88.2420

 6.4815, 4.5799,
0.0000

 237.4170,
222.7853, 115.0525

 3.1834, 2.0029,
0.0000

285.6064,

 1.2515, 0.6092,

269.8763, 146.8081

0.0000

339.9116,
323.1754, 183.9273

■ 0.1465, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2514, 49.0825,
13.7168

■ 56.2514, 49.0825,
13.7168

■ 53.2927, 44.3558,
9.0612

■ 59.7990, 54.4207,
20.3171

■ 50.8691, 40.2020,
6.1157

■ 63.9751, 60.3904,
29.0544

■ 48.9078, 36.5828,
4.5266

■ 68.8193, 67.0195,
40.1005

■ 48.8018, 36.3840,
4.4507

■ 74.3663, 74.3314,
53.6091

■ 80.6481, 82.3483,
69.7201

■ 87.6947, 91.0911,
88.5632

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.



67.0700, 49.0825, 23.9068



56.2514, 49.0825, 13.7168



44.2910, 49.0825, 11.7695

Triad

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



56.2514, 49.0825, 13.7168



27.8044, 49.0825, 60.6193



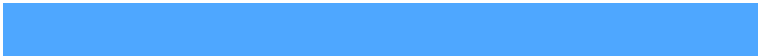
61.0963, 49.0825, 123.3617

Complementary

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



56.2514, 49.0825, 13.7168



35.0098, 36.4753, 99.8025

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.



49.0943, 49.0825, 145.4274



56.2514, 49.0825, 13.7168



30.8647, 49.0825, 100.7174

Square

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



56.2514, 49.0825, 13.7168



29.0770, 49.0825, 31.5733



38.2110, 49.0825, 135.7683



70.1758, 49.0825, 83.6136

Rectangle

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



56.2514, 49.0825, 13.7168



37.4863, 49.0825, 14.1711



38.2110, 49.0825, 135.7683



57.2005, 49.0825, 133.7072

Sweetspot

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



56.2525, 49.0850, 13.7177



79.5998, 81.0267, 66.9806



51.1682, 29.5906, 40.7731



16.6574, 16.8607, 13.3525



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.



56.2525, 49.0850, 13.7177



52.3643, 42.8006, 7.8208



77.4410, 91.4619, 20.7805



18.7554, 19.4791, 18.9156



25.6492, 19.3097, 2.3753



2.6065, 2.0984, 0.2677

Inverse Universe

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



35.0098, 36.4753, 99.8025



29.9300, 29.4791, 98.7203



24.1309, 14.7176, 96.1762



17.7577, 18.8871, 22.9596



13.6289, 12.1673, 51.0648



1.4363, 1.4032, 5.0084

Previews

White Background



This preview shows how the XYZ color 56.2514, 49.0825, 13.7168 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 56.2514, 49.0825, 13.7168 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 56.2514, 49.0825, 13.7168

Background



This preview shows how black text looks on a background with the XYZ color 56.2514, 49.0825, 13.7168.



This preview shows how white text looks on a background with the XYZ color 56.2514, 49.0825,

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

56.2514, 49.0825, 13.7168

Protanopia

45.1027, 49.4461, 15.5544

Deuteranopia

50.2709, 49.1081, 13.4859



Tritanopia

60.8938, 48.9586, 44.2707

Trichromacy



Original Color

56.2514, 49.0825, 13.7168

Protanomaly

48.3836, 48.6967, 14.8320

Deuteranomaly

52.1833, 48.9342, 13.5324

Tritanomaly

58.6757, 48.9068, 30.0143

Monochromacy



Original Color

56.2514, 49.0825, 13.7168

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.1275, 47.0439, 33.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2514, 49.0825, 13.7168 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 78) }
```

Border

The CSS property to change the border of an element to XYZ 56.2514, 49.0825, 13.7168 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, 78) }
```


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

```
.border{ border-color:rgb(255, 166, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2514, 49.0825, 13.7168 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
166, 78) }
```

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