

Converting Colors

XYZ(59.2080, 50.7773, 14.8632)

Have a look what the booklet for
XYZ(59.2080, 50.7773, 14.8632)
contains.

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Color

**XYZ(56.6200, 49.5220,
14.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA753
RGB	255, 167, 83
RGB Percent	100%, 65%, 33%
CMY	0.0000, 0.3451, 0.6745
CMYK	0.00, 0.35, 0.67, 0.00
HSL	29°, 100%, 66%
HSV	29°, 67%, 100%
XYZ	56.6200, 49.5220, 14.7581
YIQ	183.7360, 79.4120, -7.4680

Conversions

Conversions Part 2

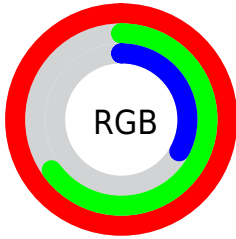
Format	Color
R _Y B	255, 247, 83
Decimal	16754515
CIE Lab	75.77, 25.13, 55.50
CIE LCh	76, 60.920, 65.642
Yxy	49.5220, 0.4683, 0.4096
Android (android.graphics.Color)	4294944595 (0xFFFFA753)
YUV	183.7360, -49.6628, 62.4985
Hunter-Lab	70.3719, 20.4673, 36.8263

Details

The XYZ color **56.6200, 49.5220, 14.7581** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **36.1791, 38.1826, 100.0701**, and the grayscale version is **45.6502, 48.0275, 52.3020**.

A 20% lighter version of the original color is **71.8052, 75.2801, 34.0385**, and **28.6132, 23.8245, 4.3188** is the 20% darker color. If you saturate the color by 10%, you get **53.5401, 44.6589, 9.7351**, and if you desaturate by 10%, it is **60.3052, 55.0171, 21.7689**.

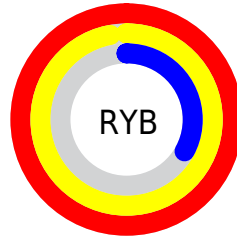
Distribution



Red (100%)

Green (65%)

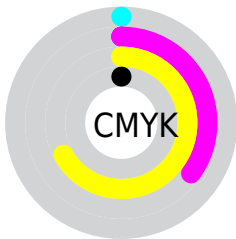
Blue (33%)



Red (100%)

Yellow (97%)

Blue (33%)

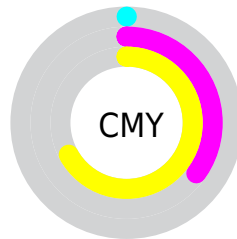


Cyan (0%)

Magenta (35%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.6200, 49.5220, 14.7581 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 56.6200, 49.5220, 14.7581 by changing the saturation by 10% instead.


 56.6200, 49.5220,
14.7581


 56.6200, 49.5220,
14.7581


402.0611,
384.7937, 233.4875

 40.9392, 35.0337,
8.5051


 99.0451, 89.4662,
35.1645


 28.4590, 23.6889,
4.3274


 126.5200,
115.6910, 50.1550


 18.8142, 15.1030,
1.8066


 158.6571,
146.5968, 68.8950

 11.6393, 8.8917,
0.4323

 195.8216,
182.5679, 91.8032

 6.5690, 4.6706,
0.0000

 238.3789,
223.9887, 119.2979

 3.2380, 2.0553,
0.0000

286.6943,

 1.2808, 0.6393,

271.2437, 151.7979

0.0000

341.1333,
324.7172, 189.7216

■ 0.1688, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6200, 49.5220,
14.7581

■ 56.6200, 49.5220,
14.7581

■ 53.5401, 44.6589,
9.7351

■ 60.3052, 55.0171,
21.7689

■ 51.0130, 40.3892,
6.4739

■ 64.6346, 61.1645,
30.9544

■ 48.9776, 36.6788,
4.6850

■ 69.6473, 67.9924,
42.4828

■ 48.5157, 35.8119,
4.3553

■ 75.3778, 75.5246,
56.5049

■ 81.8579, 83.7835,
73.1586

■ 89.1175, 92.7906,
92.5717

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.



67.0459, 49.5220, 25.1629



56.6200, 49.5220, 14.7581



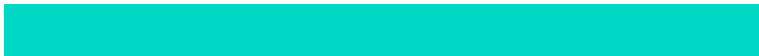
44.9636, 49.5220, 12.6567

Triad

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



56.6200, 49.5220, 14.7581



28.5755, 49.5220, 60.2780



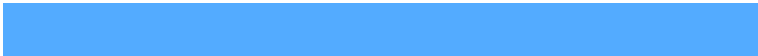
60.9121, 49.5220, 122.0218

Complementary

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



56.6200, 49.5220, 14.7581



36.1791, 38.1826, 100.0701

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.



49.2395, 49.5220, 142.6776



56.6200, 49.5220, 14.7581



31.5161, 49.5220, 98.9626

Square

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



56.6200, 49.5220, 14.7581



29.9081, 49.5220, 32.0972



38.6577, 49.5220, 132.8819



69.7888, 49.5220, 83.9026

Rectangle

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



56.6200, 49.5220, 14.7581



38.2719, 49.5220, 15.0080



38.6577, 49.5220, 132.8819



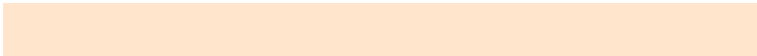
57.1207, 49.5220, 131.8094

Sweetspot

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



56.6211, 49.5245, 14.7590



80.1332, 81.6079, 68.6552



51.7668, 30.4202, 42.1062



16.7572, 16.9660, 13.6764



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.



56.6211, 49.5245, 14.7590



52.5828, 43.0770, 8.3885



77.6531, 91.5884, 21.7697



18.7418, 19.4518, 18.9111



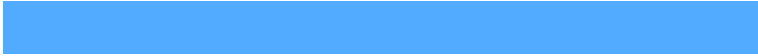
25.4991, 19.0094, 2.3252



2.5917, 2.0687, 0.2627

Inverse Universe

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



36.1791, 38.1826, 100.0701



30.8655, 31.0098, 98.9665



24.9347, 15.6937, 96.3219



17.7714, 18.9144, 22.9641



13.7844, 12.4783, 51.1166



1.4515, 1.4337, 5.0135

Previews

White Background



This preview shows how the XYZ color 56.6200, 49.5220, 14.7581 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 56.6200, 49.5220, 14.7581 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 56.6200, 49.5220, 14.7581

Background



This preview shows how black text looks on a background with the XYZ color 56.6200, 49.5220, 14.7581.



This preview shows how white text looks on a background with the XYZ color 56.6200, 49.5220,

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

56.6200, 49.5220, 14.7581

Protanopia

45.3056, 49.5273, 16.6231

Deuteranopia

50.6471, 49.5758, 14.4891



Tritanopia

61.1615, 49.3419, 44.8285

Trichromacy



Original Color

56.6200, 49.5220, 14.7581

Protanomaly

48.7820, 49.1779, 15.9380

Deuteranomaly

52.5564, 49.3914, 14.5481

Tritanomaly

58.9974, 49.3185, 30.8360

Monochromacy



Original Color

56.6200, 49.5220, 14.7581

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.7652, 47.6490, 34.2834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6200, 49.5220, 14.7581 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, 167, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 83)  
}
```

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, 167, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 83) }
```

Border

The CSS property to change the border of an element to XYZ 56.6200, 49.5220, 14.7581 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, 167, 83) }
```


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

```
.border{ border-color:rgb(255, 167, 83) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6200, 49.5220, 14.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 83) }
```

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

```
.background{ background-color: rgb(255,  
167, 83) }
```

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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