

# Converting Colors

XYZ(86.8779, 67.0956, 35.0369)

Have a look what the booklet for  
XYZ(86.8779, 67.0956, 35.0369)  
contains.

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# Color

**XYZ(61.6808, 53.9643,  
33.9533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAF91
RGB	255, 175, 145
RGB Percent	100%, 69%, 57%
CMY	0.0000, 0.3137, 0.4314
CMYK	0.00, 0.31, 0.43, 0.00
HSL	16°, 100%, 78%
HSV	16°, 43%, 100%
XYZ	61.6808, 53.9643, 33.9533
YIQ	195.5000, 57.3100, 7.6300

# Conversions

## Conversions Part 2

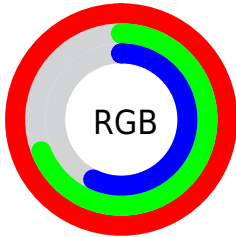
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 186, 145
Decimal	16756625
CIE Lab	78.44, 25.81, 27.20
CIE LCh	78, 37.503, 46.503
Yxy	53.9643, 0.4123, 0.3607
Android (android.graphics.Color)	4294946705 (0xFFFFAF91)
YUV	195.5000, -24.8965, 52.1815
Hunter-Lab	73.4604, 21.3213, 24.0185

# Details

The XYZ color **61.6808, 53.9643, 33.9533** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.6510, 67.0873, 104.5708**, and the grayscale version is **52.2915, 55.0147, 59.9110**.

A 20% lighter version of the original color is **80.1247, 82.5353, 65.7407**, and **31.7449, 26.4630, 14.0244** is the 20% darker color. If you saturate the color by 10%, you get **56.5662, 46.5365, 23.6122**, and if you desaturate by 10%, it is **67.7351, 62.5652, 46.7857**.

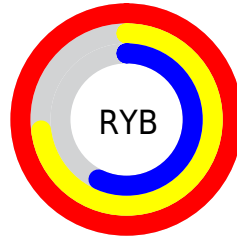
# Distribution



Red (100%)

Green (69%)

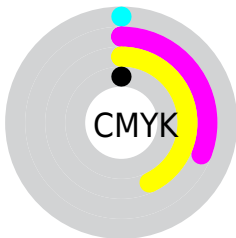
Blue (57%)



Red (100%)

Yellow (73%)

Blue (57%)

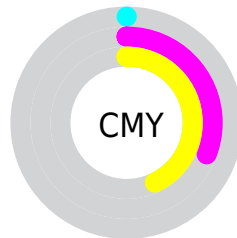


Cyan (0%)

Magenta (31%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6808, 53.9643, 33.9533 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 61.6808, 53.9643, 33.9533 by changing the saturation by 10% instead.





 61.6808, 53.9643,  
33.9533


 61.6808, 53.9643,  
33.9533


420.5019,  
401.9739, 334.6866

 45.0295, 38.5731,  
22.5807


 106.3566, 96.0218,  
66.9941

 31.6820, 26.4278,  
14.0818


 135.1118,  
123.4570, 89.4993

 21.2731, 17.1440,  
8.0382


168.6323,  
155.6755, 116.5525

 13.4374, 10.3372,  
4.0313

207.2834,  
193.0620, 148.5722

 7.8095, 5.6231,  
1.6425

251.4306,  
236.0006, 185.9769

 4.0241, 2.6173,  
0.3209

301.4392,

 1.7158, 0.9354,

284.8759, 229.1852

0.0000

357.6745,  
340.0722, 278.6155

0.4661, 0.0000,  
0.0000

0.0000, 0.0000,  
0.0000

61.6808, 53.9643,  
33.9533

61.6808, 53.9643,  
33.9533

56.5662, 46.5365,  
23.6122

67.7351, 62.5652,  
46.7857

52.3372, 40.2217,  
15.5952

74.7711, 72.3800,  
62.2553

48.9402, 34.9664,  
9.7192

82.8330, 83.4572,  
80.5005

46.3132, 30.7088,  
5.7721

91.9610, 95.8401,  
101.6490

■ 44.3840, 27.3799, 95.0499, 99.9999,  
3.4967 108.9000

■ 43.4026, 25.5853,  
2.6509

# Harmonies

## Analogous

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



66.1194, 53.9643, 47.9630



61.6808, 53.9643, 33.9533



54.6716, 53.9643, 27.4614

# Triad

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



61.6808, 53.9643, 33.9533



38.7049, 53.9643, 49.7828



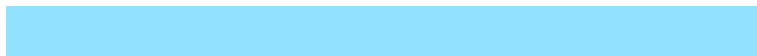
55.4248, 53.9643, 106.9134

# Complementary

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



61.6808, 53.9643, 33.9533



56.6510, 67.0873, 104.5708

# 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.



48.0536, 53.9643, 107.7373



61.6808, 53.9643, 33.9533



38.8647, 53.9643, 71.0621

# Square

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



61.6808, 53.9643, 33.9533



41.6799, 53.9643, 35.0091



42.1396, 53.9643, 93.4038



62.2775, 53.9643, 91.3670



# Rectangle

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



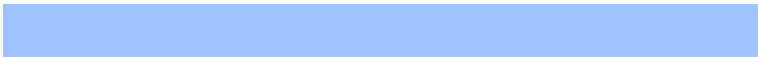
61.6808, 53.9643, 33.9533



49.7025, 53.9643, 26.9467



42.1396, 53.9643, 93.4038



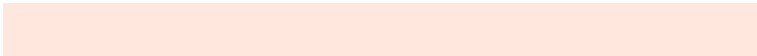
52.9139, 53.9643, 109.0307

# Sweetspot

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



61.6822, 53.9669, 33.9544



82.9506, 83.6176, 80.7697



65.0473, 46.9839, 77.3525



17.3540, 17.3497, 16.3717



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.



61.6822, 53.9669, 33.9544



57.1021, 47.3239, 24.6674



74.4625, 79.5277, 38.2145



18.4125, 18.7932, 18.8013



22.7843, 13.5799, 1.4203



2.3047, 1.4947, 0.1670



# Inverse Universe

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



56.6510, 67.0873, 104.5708



51.4198, 61.9609, 103.8573



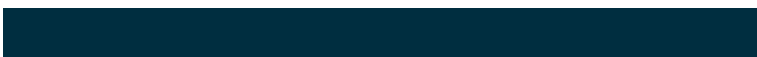
44.2275, 42.2403, 100.4297



18.1113, 19.5941, 23.0774



18.6758, 22.2613, 52.7471



1.9094, 2.3496, 5.1661



# Previews

## White Background



This preview shows how the XYZ color 61.6808, 53.9643, 33.9533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

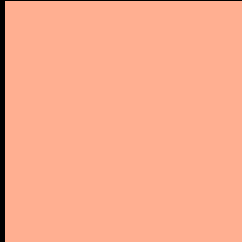
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6808, 53.9643, 33.9533 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 61.6808, 53.9643, 33.9533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.6808, 53.9643, 33.9533.



This preview shows how white text looks on a background with the XYZ color 61.6808, 53.9643,



# 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

61.6808, 53.9643, 33.9533

### Protanopia

50.8566, 54.1821, 38.3496

### Deuteranopia

55.1500, 53.9240, 33.4883



## Tritanopia

64.3502, 53.8047, 51.7935

# Trichromacy



## Original Color

61.6808, 53.9643, 33.9533

## Protanomaly

54.0967, 53.6223, 36.7771

## Deuteranomaly

57.3586, 53.8202, 33.7508

## Tritanomaly

63.1540, 53.6296, 44.5591

# Monochromacy



## Original Color

61.6808, 53.9643, 33.9533

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

54.5343, 53.8925, 49.1230

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6808, 53.9643, 33.9533 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, 175, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 145)  
}
```

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, 175, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6808, 53.9643, 33.9533 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, 175, 145) }
```



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

```
.border{ border-color:rgb(255, 175, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 175, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6808, 53.9643, 33.9533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 145) }
```

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

```
.background{ background-color: rgb(255,  
175, 145) }
```

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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