

# Converting Colors

XYZ(63.9175, 54.7513, 32.0336)

Have a look what the booklet for  
XYZ(63.9175, 54.7513, 32.0336)  
contains.

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# Color

**XYZ(61.1097, 53.4256,  
31.9023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAE8C
RGB	255, 174, 140
RGB Percent	100%, 68%, 55%
CMY	0.0000, 0.3176, 0.4510
CMYK	0.00, 0.32, 0.45, 0.00
HSL	18°, 100%, 77%
HSV	18°, 45%, 100%
XYZ	61.1097, 53.4256, 31.9023
YIQ	194.3430, 59.1900, 6.5980

# Conversions

## Conversions Part 2

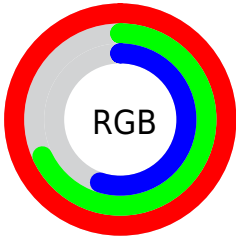
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 188, 140
Decimal	16756364
CIE Lab	78.13, 25.83, 29.45
CIE LCh	78, 39.173, 48.743
Yxy	53.4256, 0.4173, 0.3648
Android (android.graphics.Color)	4294946444 (0xFFFFAE8C)
YUV	194.3430, -26.7911, 53.1962
Hunter-Lab	73.0928, 21.3236, 25.2871

# Details

The XYZ color **61.1097, 53.4256, 31.9023** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.7204, 64.5055, 104.1743**, and the grayscale version is **51.6119, 54.2998, 59.1324**.

A 20% lighter version of the original color is **79.2744, 81.7487, 62.6398**, and **31.4478, 26.1487, 13.0626** is the 20% darker color. If you saturate the color by 10%, you get **56.2022, 46.2791, 22.0403**, and if you desaturate by 10%, it is **66.9195, 61.6794, 44.2154**.

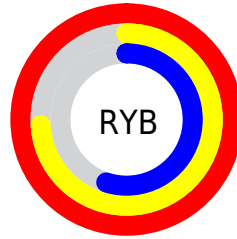
# Distribution



Red (100%)

Green (68%)

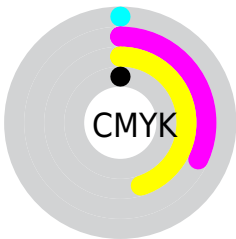
Blue (55%)



Red (100%)

Yellow (74%)

Blue (55%)

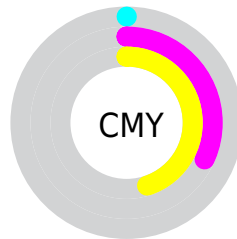


Cyan (0%)

Magenta (32%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1097, 53.4256, 31.9023 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 61.1097, 53.4256, 31.9023 by changing the saturation by 10% instead.





 61.1097, 53.4256,  
31.9023

 61.1097, 53.4256,  
31.9023


418.4456,  
399.9158, 325.1530


 44.5666, 38.1426,  
21.0227


 105.5350, 95.2303,  
63.7540

 31.3160, 26.0934,  
12.9492


 134.1478,  
122.5209, 85.5632

 20.9926, 16.8935,  
7.2632


 167.5147,  
154.5828, 111.8527

 13.2310, 10.1586,  
3.5463

206.0008,  
191.8004, 143.0409

 7.6659, 5.5042,  
1.3799

249.9716,  
234.5581, 179.5466

 3.9319, 2.5461,  
0.1260

299.7924,

 1.6637, 0.8996,

283.2403, 221.7881

0.0000

355.8287,  
338.2314, 270.1840

■ 0.4334, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.1097, 53.4256,  
31.9023

■ 61.1097, 53.4256,  
31.9023

■ 56.2022, 46.2791,  
22.0403

■ 66.9195, 61.6794,  
44.2154

■ 52.1442, 40.1834,  
14.4594

■ 73.6724, 71.0783,  
59.1276

■ 48.8831, 35.0883,  
8.9728

■ 81.4115, 81.6677,  
76.7788

■ 46.3578, 30.9358,  
5.3618

■ 90.1758, 93.4882,  
97.2978

■ 44.4960, 27.6609, 95.0499, 100.0000,  
3.3580 108.9000

■ 43.7835, 26.3471,  
2.7779

# Harmonies

## Analogous

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



66.0207, 53.4256, 45.6582



61.1097, 53.4256, 31.9023



53.7052, 53.4256, 25.8657

# Triad

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



61.1097, 53.4256, 31.9023



37.6764, 53.4256, 50.3297



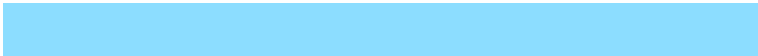
55.6540, 53.4256, 107.8760

# Complementary

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



61.1097, 53.4256, 31.9023



54.7204, 64.5055, 104.1743

# 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.



47.9619, 53.4256, 110.0391



61.1097, 53.4256, 31.9023



38.0853, 53.4256, 72.7844

# Square

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



61.1097, 53.4256, 31.9023



40.5050, 53.4256, 34.5797



41.6843, 53.4256, 95.9338



62.6591, 53.4256, 90.6067



# Rectangle

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



61.1097, 53.4256, 31.9023



48.5762, 53.4256, 25.6792



41.6843, 53.4256, 95.9338



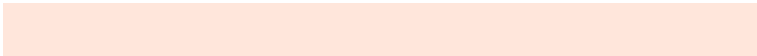
53.0482, 53.4256, 110.5306

# Sweetspot

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



61.1110, 53.4282, 31.9033



82.3226, 82.9041, 78.8883



63.8590, 45.3129, 74.7811



17.2395, 17.2276, 16.0046



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.



61.1110, 53.4282, 31.9033



56.6985, 47.0114, 23.0080



74.2937, 79.7936, 36.2976



18.4471, 18.8623, 18.8129



22.9899, 13.9911, 1.4888

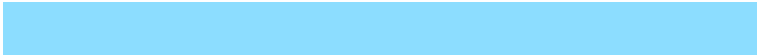


2.3285, 1.5423, 0.1750

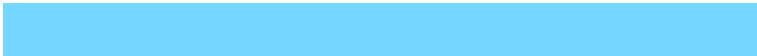


# Inverse Universe

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



54.7204, 64.5055, 104.1743



49.5444, 59.2586, 103.4345



42.3058, 39.6762, 100.0360



18.0747, 19.5210, 23.0652



18.0532, 21.0161, 52.5396



1.8528, 2.2364, 5.1473



# Previews

## White Background



This preview shows how the XYZ color 61.1097, 53.4256, 31.9023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

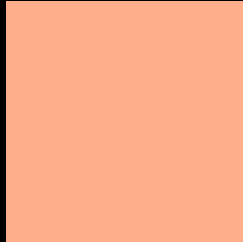
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1097, 53.4256, 31.9023 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 61.1097, 53.4256, 31.9023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.1097, 53.4256, 31.9023.



This preview shows how white text looks on a background with the XYZ color 61.1097, 53.4256,



# 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

61.1097, 53.4256, 31.9023

### Protanopia

50.2269, 53.5753, 36.1276

### Deuteranopia

54.5695, 53.3559, 31.4673



## Tritanopia

64.0582, 53.3868, 51.1844

# Trichromacy



## Original Color

61.1097, 53.4256, 31.9023

## Protanomaly

53.4877, 53.0404, 34.6129

## Deuteranomaly

56.7807, 53.2625, 31.7141

## Tritanomaly

62.7780, 53.1758, 43.5144

# Monochromacy



## Original Color

61.1097, 53.4256, 31.9023

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

53.7292, 53.1956, 47.4803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1097, 53.4256, 31.9023 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, 174, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 140)  
}
```

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, 174, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1097, 53.4256, 31.9023 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, 174, 140) }
```



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

```
.border{ border-color:rgb(255, 174, 140) }
```

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

Here you see how a box with a 4 pixel rgb(255, 174, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1097, 53.4256, 31.9023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 140) }
```

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

```
.background{ background-color: rgb(255,  
174, 140) }
```

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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