

# Converting Colors

XYZ(107.4135, 75.9177,  
32.5822)

Have a look what the booklet for  
XYZ(107.4135, 75.9177, 32.5822)  
contains.

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# Color

**XYZ(59.9433, 51.4421,  
30.4369)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FFA989
RGB	255, 169, 137
RGB Percent	100%, 66%, 54%
CMY	0.0000, 0.3372, 0.4627
CMYK	0.00, 0.34, 0.46, 0.00
HSL	16°, 100%, 77%
HSV	16°, 46%, 100%
XYZ	59.9433, 51.4421, 30.4369
YIQ	191.0660, 61.5280, 8.2800

# Conversions

## Conversions Part 2

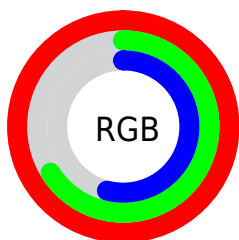
Format	Color
<a href="#">RYB</a>	<a href="#">255, 181, 137</a>
Decimal	<a href="#">16755081</a>
CIELab	<a href="#">76.95, 28.15, 29.48</a>
CIELCh	<a href="#">77, 40.765, 46.320</a>
Yxy	<a href="#">51.4421, 0.4227, 0.3627</a>
Android (android.graphics.Color)	<a href="#">4294945161</a> (0xFFFFFA989)
YUV	<a href="#">191.0660, -26.6545, 56.0701</a>
Hunter-Lab	<a href="#">71.7231, 23.6676, 25.0455</a>

# Details

The XYZ color **59.9433, 51.4421, 30.4369** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **54.7528, 65.3107, 104.3278**, and the grayscale version is **49.6855, 52.2730, 56.9253**.

A 20% lighter version of the original color is **77.5692, 78.8720, 60.4257**, and **30.4714, 24.7810, 12.1940** is the 20% darker color. If you saturate the color by 10%, you get **55.1109, 44.3668, 20.8431**, and if you desaturate by 10%, it is **65.7020, 59.6781, 42.4728**.

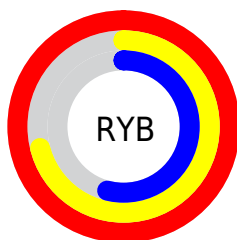
# Distribution



Red (100%)

Green (66%)

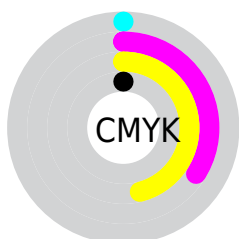
Blue (54%)



Red (100%)

Yellow (71%)

Blue (54%)

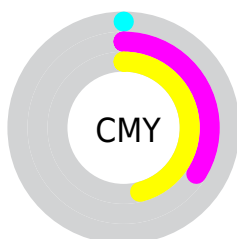


Cyan (0%)

Magenta (34%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (34%)


Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9433, 51.4421, 30.4369 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 59.9433, 51.4421, 30.4369 by changing the saturation by 10% instead.




 59.9433, 51.4421,  
30.4369


 59.9433, 51.4421,  
30.4369


414.2268,  
392.2790, 318.2061


 43.6222, 36.5606,  
19.9156


 103.8542, 92.3079,  
61.4216

 30.5703, 24.8674,  
12.1502


 132.1748,  
119.0610, 82.7220

 20.4220, 15.9783,  
6.7223

 165.2259,  
150.5401, 108.4526

 12.8122, 9.5088,  
3.2132

203.3729,  
187.1296, 139.0318

 7.3755, 5.0745,  
1.2045

246.9811,  
229.2138, 174.8782

 3.7464, 2.2911,  
0.0000


296.4159,


 1.5597, 0.7690,


277.1772, 216.4104


0.0000


352.0427,  
331.4041, 264.0469


 0.3659, 0.0000,  
0.0000

 0.0000, 0.0000,  
0.0000


 59.9433, 51.4421,  
30.4369


 59.9433, 51.4421,  
30.4369


 55.1109, 44.3668,  
20.8431


 65.7020, 59.6781,  
42.4728


 51.1492, 38.3910,  
13.5188

 72.4303, 69.1172,  
57.1013

 48.0026, 33.4591,  
8.2731

 80.1735, 79.8088,  
74.4641

 45.6061, 29.5070,  
4.8819

 88.9727, 91.7973,  
94.6917

■ 43.8825, 26.4620, 95.0498, 99.9999,  
3.0677 108.9000

■ 43.3781, 25.5365,  
2.6428

# Harmonies

## Analogous

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



64.6622, 51.4421, 44.8387



59.9433, 51.4421, 30.4369



52.5096, 51.4421, 23.8992

# Triad

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



59.9433, 51.4421, 30.4369



35.7789, 51.4421, 46.4985



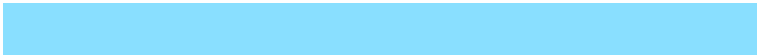
53.2092, 51.4421, 107.8637

# Complementary

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



59.9433, 51.4421, 30.4369



54.7528, 65.3107, 104.3278

# 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.



45.4486, 51.4421, 108.6544



59.9433, 51.4421, 30.4369



35.9236, 51.4421, 68.9018

# Square

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



59.9433, 51.4421, 30.4369



38.8750, 51.4421, 31.3735



39.2938, 51.4421, 92.9605



60.5019, 51.4421, 91.0225



# Rectangle

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



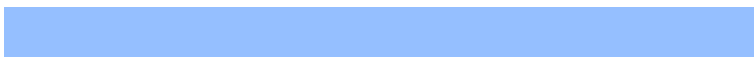
59.9433, 51.4421, 30.4369



47.2696, 51.4421, 23.3632



39.2938, 51.4421, 92.9605



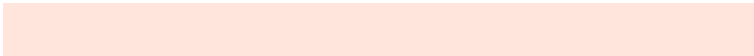
50.5556, 51.4421, 110.1433

# Sweetspot

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



59.9446, 51.4446, 30.4379



82.0804, 82.4196, 78.8076



63.5771, 44.5082, 75.4298



17.1811, 17.1106, 15.9851



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.



59.9446, 51.4446, 30.4379



55.2316, 44.5458, 21.0749



73.3522, 78.2599, 34.9071



18.4102, 18.7885, 18.8006



22.7712, 13.5536, 1.4159

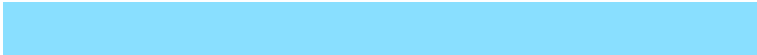


2.3031, 1.4916, 0.1665



# Inverse Universe

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



54.7528, 65.3107, 104.3278



49.3820, 59.9267, 103.5721



41.7380, 39.2811, 99.9896



18.1137, 19.5991, 23.0782



18.7187, 22.3469, 52.7614



1.9133, 2.3573, 5.1674



# Previews

## White Background



This preview shows how the XYZ color 59.9433, 51.4421, 30.4369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

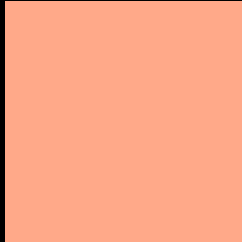
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9433, 51.4421, 30.4369 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 59.9433, 51.4421, 30.4369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9433, 51.4421, 30.4369.



This preview shows how white text looks on a background with the XYZ color 59.9433, 51.4421,



# 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

59.9433, 51.4421, 30.4369

### Protanopia

48.2304, 51.5987, 34.6117

### Deuteranopia

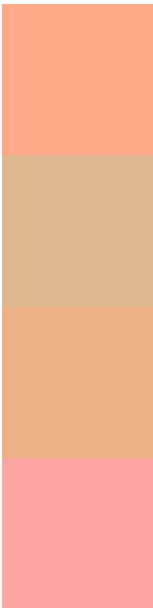
52.3951, 51.3459, 29.7035



## Tritanopia

62.6309, 51.3446, 48.2045

# Trichromacy



**Original Color**  
59.9433, 51.4421, 30.4369

**Protanomaly**  
51.8101, 50.9687, 33.0939

**Deuteranomaly**  
55.0204, 51.1981, 29.9040

**Tritanomaly**  
61.3978, 51.1411, 40.8176

# Monochromacy



**Original Color**  
59.9433, 51.4421, 30.4369

**Achromatopsia**  
49.5206, 52.0996, 56.7364

**Achromatomaly**  
52.0157, 51.1034, 45.6505

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9433, 51.4421, 30.4369 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, 169, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 137)  
}
```

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, 169, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9433, 51.4421, 30.4369 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, 169, 137) }
```



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

```
.border{ border-color:rgb(255, 169, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9433, 51.4421, 30.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 137) }
```

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

```
.background{ background-color: rgb(255,  
169, 137) }
```

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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