

# Converting Colors

XYZ(64.0427, 58.7367, 33.3925)

Have a look what the booklet for  
XYZ(64.0427, 58.7367, 33.3925)  
contains.

<b>XYZ(63.8928, 58.7536, 33.5643)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(63.8928, 58.7536,  
33.5643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBB8E
RGB	255, 187, 142
RGB Percent	100%, 73%, 56%
CMY	0.0000, 0.2666, 0.4431
CMYK	0.00, 0.27, 0.44, 0.00
HSL	24°, 100%, 78%
HSV	24°, 44%, 100%
XYZ	63.8928, 58.7536, 33.5643
YIQ	202.2020, 54.9730, 0.4210

# Conversions

## Conversions Part 2

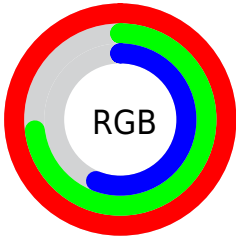
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 217, 142
Decimal	16759694
CIE Lab	81.16, 19.22, 32.41
CIE LCh	81, 37.679, 59.322
Yxy	58.7536, 0.4090, 0.3761
Android (android.graphics.Color)	4294949774 (0xFFFFBB8E)
YUV	202.2020, -29.6796, 46.3038
Hunter-Lab	76.6509, 14.6506, 27.6934

# Details

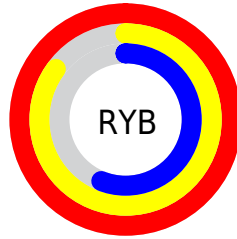
The XYZ color **63.8928, 58.7536, 33.5643** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.2510, 59.0617, 103.2537**, and the grayscale version is **56.4219, 59.3602, 64.6433**.

A 20% lighter version of the original color is **83.2544, 89.3467, 65.0822**, and **33.1784, 29.5413, 13.8509** is the 20% darker color. If you saturate the color by 10%, you get **59.1100, 51.9094, 23.5806**, and if you desaturate by 10%, it is **69.4643, 66.4743, 45.9726**.

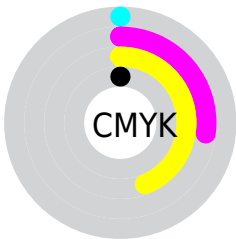
# Distribution



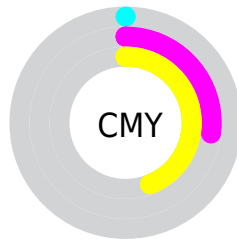
- Red (100%)
- Green (73%)
- Blue (56%)



- Red (100%)
- Yellow (85%)
- Blue (56%)



- Cyan (0%)
- Magenta (27%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8928, 58.7536, 33.5643 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 63.8928, 58.7536, 33.5643 by changing the saturation by 10% instead.





 63.8928, 58.7536,  
33.5643


 63.8928, 58.7536,  
33.5643


428.4108,  
419.9882, 332.8945

 46.8252, 42.4148,  
22.2844

 109.5311,  
103.0195, 66.3817

 33.1049, 29.4262,  
13.8657


 138.8326,  
131.7153, 88.7563

 22.3664, 19.4035,  
7.8897

172.9427,  
165.2990, 115.6662

 14.2445, 11.9622,  
3.9377

212.2269,  
204.1548, 147.5300

 8.3737, 6.7179,  
1.5912

257.0504,  
248.6673, 184.7662

 4.3888, 3.2863,  
0.2845

307.7786,

 1.9244, 1.2830,

299.2207, 227.7933

0.0000

364.7770,  
356.1996, 277.0299

■ 0.5909, 0.1280,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.8928, 58.7536,  
33.5643

■ 63.8928, 58.7536,  
33.5643

■ 59.1100, 51.9094,  
23.5806

■ 69.4643, 66.4743,  
45.9726

■ 55.0704, 45.8994,  
15.8549

■ 75.8580, 75.0947,  
60.9497

■ 51.7298, 40.6898,  
10.2051

■ 83.1103, 84.6477,  
78.6327

■ 49.0367, 36.2407,  
6.4183

■ 91.2543, 95.1617,  
99.1478

■ 46.9296, 32.5070, 95.0499, 100.0000,  
4.2346 108.9000

■ 45.9483, 30.6766,  
3.4994

# Harmonies

## Analogous

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



70.0439, 58.7536, 45.0752



63.8928, 58.7536, 33.5643



56.0222, 58.7536, 29.7873

# Triad

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



63.8928, 58.7536, 33.5643



42.0864, 58.7536, 63.4630



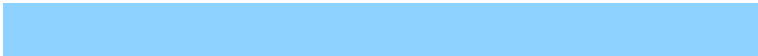
63.5553, 58.7536, 109.4759

# Complementary

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



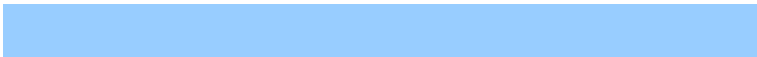
63.8928, 58.7536, 33.5643



52.2510, 59.0617, 103.2537

# 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.



55.6653, 58.7536, 117.5763



63.8928, 58.7536, 33.5643



43.7052, 58.7536, 87.5276

# Square

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



63.8928, 58.7536, 33.5643



43.8569, 58.7536, 44.3779



48.5004, 58.7536, 108.7463



69.8366, 58.7536, 88.6231



# Rectangle

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



63.8928, 58.7536, 33.5643



51.0031, 58.7536, 31.2701



48.5004, 58.7536, 108.7463



60.9809, 58.7536, 113.9701

# Sweetspot

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



63.8943, 58.7564, 33.5655



84.1282, 85.9729, 81.1623



62.7570, 45.3440, 67.5231



17.6426, 17.9270, 16.4679



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.



63.8943, 58.7564, 33.5655



59.6949, 52.7600, 24.7590



77.8201, 86.6082, 38.2074



18.6030, 19.1742, 18.8648



24.1450, 16.3013, 1.8739

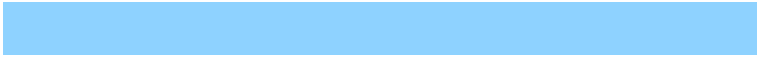


2.4542, 1.7937, 0.2169

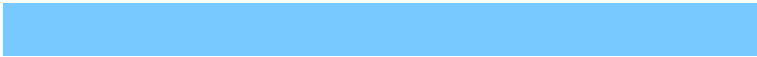


# Inverse Universe

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



52.2510, 59.0617, 103.2537



46.7018, 53.0562, 102.3872



40.9578, 36.4752, 99.4893



17.9123, 19.1962, 23.0111



15.5713, 16.0521, 51.7123



1.6230, 1.7767, 5.0707



# Previews

## White Background



This preview shows how the XYZ color 63.8928, 58.7536, 33.5643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

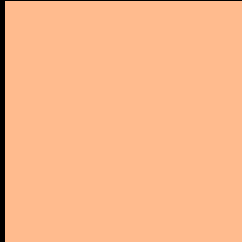
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8928, 58.7536, 33.5643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

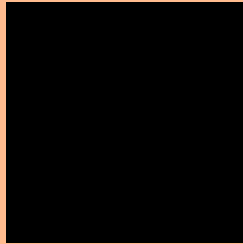
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 63.8928, 58.7536, 33.5643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.8928, 58.7536, 33.5643.



This preview shows how white text looks on a background with the XYZ color 63.8928, 58.7536,



# 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

63.8928, 58.7536, 33.5643

### Protanopia

55.0811, 59.1309, 36.5273

### Deuteranopia

60.1533, 58.7638, 33.3714



## Tritanopia

67.8183, 58.6560, 59.3771

# Trichromacy



## Original Color

63.8928, 58.7536, 33.5643

## Protanomaly

58.1096, 58.9968, 35.5189

## Deuteranomaly

61.4446, 58.7775, 33.3060

## Tritanomaly

66.2170, 58.6756, 48.9098

# Monochromacy



## Original Color

63.8928, 58.7536, 33.5643

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.0233, 58.5999, 51.4328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8928, 58.7536, 33.5643 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, 187, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 142)  
}
```

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, 187, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8928, 58.7536, 33.5643 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, 187, 142) }
```



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

```
.border{ border-color:rgb(255, 187, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 142); box-shadow:4px 4px 4px 4px rgb(255, 187, 142) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8928, 58.7536, 33.5643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 142) }
```

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

```
.background{ background-color: rgb(255,  
187, 142) }
```

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