

# Converting Colors

XYZ(88.8260, 70.2717, 43.6922)

Have a look what the booklet for  
XYZ(88.8260, 70.2717, 43.6922)  
contains.

<b>XYZ(64.7843, 57.7713, 42.3868)</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(64.7843, 57.7713,  
42.3868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB7A3
RGB	255, 183, 163
RGB Percent	100%, 72%, 64%
CMY	0.0000, 0.2823, 0.3608
CMYK	0.00, 0.28, 0.36, 0.00
HSL	13°, 100%, 82%
HSV	13°, 36%, 100%
XYZ	64.7843, 57.7713, 42.3868
YIQ	202.2480, 49.3320, 9.0440

# Conversions

## Conversions Part 2

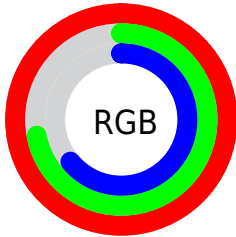
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 189, 163
Decimal	16758691
CIE Lab	80.61, 23.60, 20.54
CIE LCh	81, 31.285, 41.032
Yxy	57.7713, 0.3928, 0.3503
Android (android.graphics.Color)	4294948771 (0xFFFFB7A3)
YUV	202.2480, -19.3493, 46.2635
Hunter-Lab	76.0074, 19.1300, 20.1412

# Details

The XYZ color **64.7843, 57.7713, 42.3868** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **62.8614, 74.4203, 105.6591**, and the grayscale version is **56.3906, 59.3273, 64.6075**.

A 20% lighter version of the original color is **84.7614, 88.0550, 78.8586**, and **33.6168, 28.8487, 18.8355** is the 20% darker color. If you saturate the color by 10%, you get **58.8977, 49.2933, 30.2663**, and if you desaturate by 10%, it is **71.7181, 67.6062, 57.1302**.

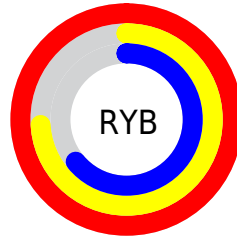
# Distribution



Red (100%)

Green (72%)

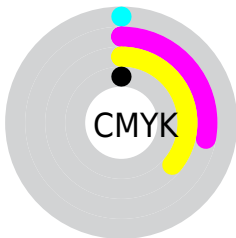
Blue (64%)



Red (100%)

Yellow (74%)

Blue (64%)

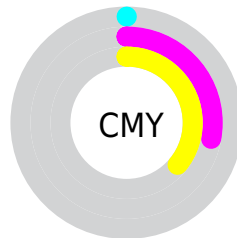


Cyan (0%)

Magenta (28%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (28%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7843, 57.7713, 42.3868 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 64.7843, 57.7713, 42.3868 by changing the saturation by 10% instead.




 64.7843, 57.7713,  
42.3868


 64.7843, 57.7713,  
42.3868


431.5739,  
416.3332, 371.9307

 47.5502, 41.6248,  
29.0765


 110.8071,  
101.5897, 80.0611

 33.6806, 28.8076,  
18.8926


 140.3266,  
130.0305, 105.2621

 22.8101, 18.9353,  
11.4167


174.6720,  
163.3381, 135.2638

 14.5733, 11.6236,  
6.2301

214.2085,  
201.8970, 170.4847

 8.6048, 6.4879,  
2.9145

259.3016,  
246.0916, 211.3432

 4.5394, 3.1440,  
1.0511

310.3166,

 2.0116, 1.2073,

296.3062, 258.2581

0.0000

367.6190,  
352.9253, 311.6477

0.6404, 0.0677,  
0.0000

0.0000, 0.0000,  
0.0000

64.7843, 57.7713,  
42.3868

64.7843, 57.7713,  
42.3868

58.8977, 49.2933,  
30.2663

71.7181, 67.6062,  
57.1302

54.0016, 42.1038,  
20.6103

79.7431, 78.8459,  
74.6352

50.0405, 36.1411,  
13.2489

88.9063, 91.5460,  
95.0346

46.9511, 31.3346,  
7.9887

95.0500, 100.0000,  
108.9000

■ 44.6618, 27.6063,  
4.6040

■ 43.0876, 24.8676,  
2.8162

■ 42.6276, 24.0353,  
2.3926

# Harmonies

## Analogous

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



67.9744, 57.7713, 56.3619



64.7843, 57.7713, 42.3868



59.0315, 57.7713, 34.9861

# Triad

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



64.7843, 57.7713, 42.3868



44.0182, 57.7713, 52.0718



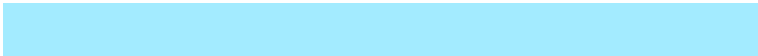
57.3122, 57.7713, 104.4975

# Complementary

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



64.7843, 57.7713, 42.3868



62.8614, 74.4203, 105.6591

# 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.



50.9848, 57.7713, 102.7268



64.7843, 57.7713, 42.3868



43.6368, 57.7713, 69.9318

# Square

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



64.7843, 57.7713, 42.3868



47.1797, 57.7713, 39.7763



46.0936, 57.7713, 89.1570



63.4414, 57.7713, 93.6057



# Rectangle

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



64.7843, 57.7713, 42.3868



54.6873, 57.7713, 33.7044



46.0936, 57.7713, 89.1570



55.1330, 57.7713, 105.4108

# Sweetspot

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



64.7858, 57.7741, 42.3879



84.2512, 85.1091, 84.6241



69.3425, 53.4569, 85.3114



17.7694, 17.8509, 17.5263



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.



64.7858, 57.7741, 42.3879



60.6019, 51.7631, 33.7270



75.8519, 79.9063, 46.0767



18.3295, 18.6273, 18.7737



22.3622, 12.7356, 1.2796

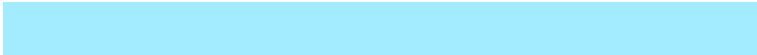


2.2533, 1.3920, 0.1499

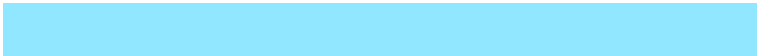


# Inverse Universe

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



62.8614, 74.4203, 105.6591



58.4086, 70.5111, 105.1393



51.3667, 51.4310, 101.8275



18.2000, 19.7716, 23.1070



20.2841, 25.4778, 53.2832



2.0541, 2.6389, 5.2144



# Previews

## White Background



This preview shows how the XYZ color 64.7843, 57.7713, 42.3868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

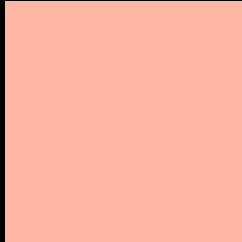
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7843, 57.7713, 42.3868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

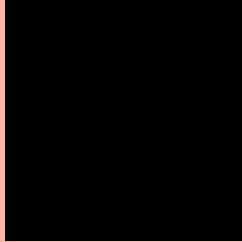
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.7843, 57.7713, 42.3868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7843, 57.7713, 42.3868.



This preview shows how white text looks on a background with the XYZ color 64.7843, 57.7713,



# 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

64.7843, 57.7713, 42.3868

### Protanopia

54.8689, 58.0977, 46.8502

### Deuteranopia

59.1073, 58.0368, 41.8051



## Tritanopia

67.1869, 57.7528, 58.0583

# Trichromacy



## Original Color

64.7843, 57.7713, 42.3868

## Protanomaly

58.0382, 57.7416, 45.1321

## Deuteranomaly

60.9948, 57.7046, 42.1057

## Tritanomaly

66.2074, 57.6851, 51.9008

# Monochromacy



## Original Color

64.7843, 57.7713, 42.3868

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

58.4110, 58.0332, 55.6999

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7843, 57.7713, 42.3868 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, 183, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 163)  
}
```

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, 183, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7843, 57.7713, 42.3868 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, 183, 163) }
```



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

```
.border{ border-color:rgb(255, 183, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 183, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 183, 163); box-shadow:4px 4px 4px 4px rgb(255, 183, 163) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7843, 57.7713, 42.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 163) }
```

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

```
.background{ background-color: rgb(255,  
183, 163) }
```

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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