

# Converting Colors

XYZ(55.4672, 42.7005, 28.2957)

Have a look what the booklet for  
XYZ(55.4672, 42.7005, 28.2957)  
contains.

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# Color

**XYZ(55.4356, 42.6542,  
28.2330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8F87
RGB	255, 143, 135
RGB Percent	100%, 56%, 53%
CMY	0.0000, 0.4392, 0.4706
CMYK	0.00, 0.44, 0.47, 0.00
HSL	4°, 100%, 76%
HSV	4°, 47%, 100%
XYZ	55.4356, 42.6542, 28.2330
YIQ	175.5760, 69.3200, 21.2560

# Conversions

## Conversions Part 2

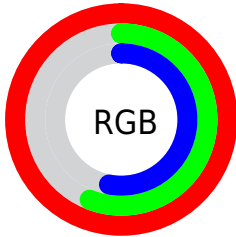
Format	Color
R <sub>Y</sub> B	255, 144, 135
Decimal	16748423
CIE Lab	71.32, 41.38, 23.02
CIE LCh	71, 47.347, 29.086
Yxy	42.6542, 0.4388, 0.3377
Android (android.graphics.Color)	4294938503 (0xFFFF8F87)
YUV	175.5760, -20.0040, 69.6548
Hunter-Lab	65.3102, 37.2188, 20.0866

# Details

The XYZ color **55.4356, 42.6542, 28.2330** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **61.3005, 78.8884, 106.6035**, and the grayscale version is **41.1228, 43.2644, 47.1149**.

A 20% lighter version of the original color is **70.5112, 65.2790, 56.4607**, and **27.8015, 19.5703, 10.9065** is the 20% darker color. If you saturate the color by 10%, you get **50.6489, 35.6183, 18.8154**, and if you desaturate by 10%, it is **61.4122, 51.3820, 40.1690**.

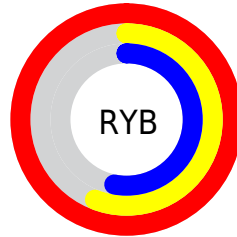
# Distribution



Red (100%)

Green (56%)

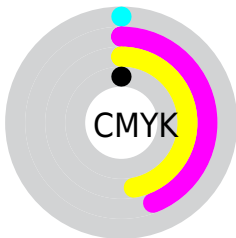
Blue (53%)



Red (100%)

Yellow (56%)

Blue (53%)

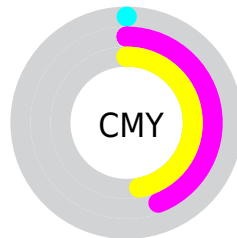


Cyan (0%)

Magenta (44%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4356, 42.6542, 28.2330 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 55.4356, 42.6542, 28.2330 by changing the saturation by 10% instead.





 55.4356, 42.6542,  
28.2330

 55.4356, 42.6542,  
28.2330

397.6706,  
357.1877, 307.5255


 39.9858, 29.6139,  
18.2608

 97.3235, 79.1888,  
57.8838

 27.7116, 19.5457,  
10.9660

 124.4923,  
103.4518, 78.3995

 18.2477, 12.0653,  
5.9301


 156.2982,  
132.2246, 103.2667

 11.2288, 6.7881,  
2.7345


193.1064,  
165.8914, 132.9041

 6.2893, 3.3300,  
0.9607

235.2824,  
204.8368, 167.7301

 3.0641, 1.3063,  
0.0000

283.1916,

 1.1878, 0.1461,

249.4450, 208.1633

0.0000

337.1992,  
300.1005, 254.6223

■ 0.0967, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.4356, 42.6542,  
28.2330

■ 55.4356, 42.6542,  
28.2330

■ 50.6489, 35.6183,  
18.8154

■ 61.4122, 51.3820,  
40.1690

■ 46.9694, 30.1586,  
11.7334

■ 68.6476, 61.8945,  
54.7837

■ 44.3087, 26.1552,  
6.7833

■ 77.2094, 74.2858,  
72.2271

■ 42.5637, 23.4684,  
3.7254

■ 87.1594, 88.6411,  
92.6372

■ 41.6079, 21.9302, 95.0498, 99.9999,  
2.2554 108.9000

■ 41.4405, 21.6612,  
1.9969

# Harmonies

## Analogous

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



57.8442, 42.6542, 47.1456



55.4356, 42.6542, 28.2330



48.9208, 42.6542, 18.0811

# Triad

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



55.4356, 42.6542, 28.2330



28.7809, 42.6542, 27.3731



40.2980, 42.6542, 105.4758

# Complementary

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



55.4356, 42.6542, 28.2330



61.3005, 78.8884, 106.6035

# 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.



33.1783, 42.6542, 95.0912



55.4356, 42.6542, 28.2330



27.0871, 42.6542, 45.7477

# Square

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



55.4356, 42.6542, 28.2330



33.5495, 42.6542, 17.7110



28.5871, 42.6542, 71.1662



48.4432, 42.6542, 96.2227



# Rectangle

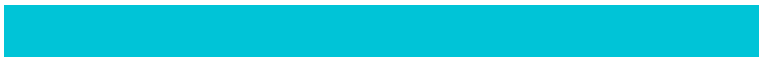
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.4356, 42.6542, 28.2330



43.5079, 42.6542, 15.3367



28.5871, 42.6542, 71.1662



37.7132, 42.6542, 104.1219

# Sweetspot

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



55.4367, 42.6564, 28.2338



80.1026, 78.4640, 78.1483



66.6924, 45.3036, 93.2248



16.7055, 16.1595, 15.8266



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.



55.4367, 42.6564, 28.2338



51.1019, 36.2866, 19.6983



66.9691, 65.7212, 32.0779



18.1067, 18.1815, 18.6994



21.6897, 11.3906, 1.0554



2.1443, 1.1740, 0.1136



# Inverse Universe

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



61.3005, 78.8884, 106.6035



57.5531, 76.2689, 106.2957



45.8122, 47.9118, 101.4407



18.4450, 20.2616, 23.1887



25.4496, 35.8087, 55.0050



2.5079, 3.5466, 5.3656



# Previews

## White Background



This preview shows how the XYZ color 55.4356, 42.6542, 28.2330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

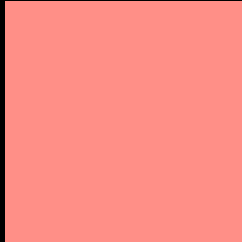
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4356, 42.6542, 28.2330 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 55.4356, 42.6542, 28.2330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4356, 42.6542, 28.2330.



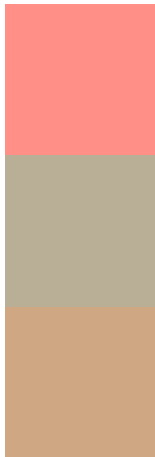
This preview shows how white text looks on a background with the XYZ color 55.4356, 42.6542,

28.2330.

# 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

55.4356, 42.6542, 28.2330

### Protanopia

40.6022, 43.0523, 35.0241

### Deuteranopia

43.8315, 42.9094, 27.4449



## Tritanopia

56.3508, 42.5441, 34.5200

# Trichromacy



## Original Color

55.4356, 42.6542, 28.2330

## Protanomaly

44.7864, 41.9404, 32.5229

## Deuteranomaly

47.3035, 42.3095, 27.5032

## Tritanomaly

56.0238, 42.6503, 32.0676

# Monochromacy



## Original Color

55.4356, 42.6542, 28.2330

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

44.8853, 42.1033, 39.4792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4356, 42.6542, 28.2330 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, 143, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 135)  
}
```

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, 143, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4356, 42.6542, 28.2330 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, 143, 135) }
```



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

```
.border{ border-color:rgb(255, 143, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4356, 42.6542, 28.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 135) }
```

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

```
.background{ background-color: rgb(255,  
143, 135) }
```

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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