

# Converting Colors

XYZ(55.5726, 41.3588, 33.1886)

Have a look what the booklet for  
XYZ(55.5726, 41.3588, 33.1886)  
contains.

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# Color

**XYZ(55.5310, 41.2894,  
33.0598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8994
RGB	255, 137, 148
RGB Percent	100%, 54%, 58%
CMY	0.0000, 0.4627, 0.4196
CMYK	0.00, 0.46, 0.42, 0.00
HSL	354°, 100%, 77%
HSV	354°, 46%, 100%
XYZ	55.5310, 41.2894, 33.0598
YIQ	173.5360, 66.7970, 28.4370

# Conversions

## Conversions Part 2

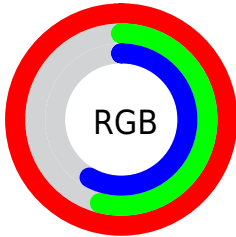
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 137, 148
Decimal	16746900
CIE <sub>Lab</sub>	70.38, 45.67, 14.50
CIE <sub>LCh</sub>	70, 47.921, 17.618
Yxy	41.2894, 0.4276, 0.3179
Android (android.graphics.Color)	4294936980 (0xFFFF8994)
YUV	173.5360, -12.5892, 71.4439
Hunter-Lab	64.2568, 41.8109, 14.4754

# Details

The XYZ color **55.5310, 41.2894, 33.0598** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.4078, 83.3710, 98.3958**, and the grayscale version is **40.0338, 42.1187, 45.8672**.

A 20% lighter version of the original color is **70.7503, 63.2235, 64.3515**, and **27.8806, 18.8246, 13.7193** is the 20% darker color. If you saturate the color by 10%, you get **50.6737, 34.2174, 23.2946**, and if you desaturate by 10%, it is **61.6125, 50.2247, 45.0376**.

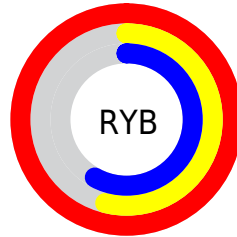
# Distribution



Red (100%)

Green (54%)

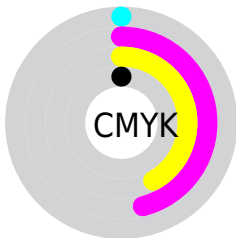
Blue (58%)



Red (100%)

Yellow (54%)

Blue (58%)

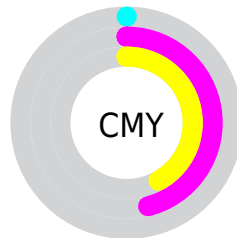


Cyan (0%)

Magenta (46%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5310, 41.2894, 33.0598 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 55.5310, 41.2894, 33.0598 by changing the saturation by 10% instead.




 55.5310, 41.2894,  
33.0598


 55.5310, 41.2894,  
33.0598


398.0254,  
351.5287, 330.5594


 40.0625, 28.5453,  
21.9008


 97.4623, 77.1230,  
65.5860

 27.7717, 18.7371,  
13.5864


 124.6559,  
100.9813, 87.7902

 18.2932, 11.4805,  
7.6981


 156.4885,  
129.3131, 114.5132

 11.2617, 6.3910,  
3.8174

193.3256,  
162.5028, 146.1736

 6.3117, 3.0843,  
1.5257

235.5325,  
200.9349, 183.1898

 3.0780, 1.1759,  
0.2370

283.4745,

 1.1951, 0.0419,

244.9936, 225.9805

0.0000

337.5170,  
295.0634, 274.9642

■ 0.1025, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5310, 41.2894,  
33.0598

■ 55.5310, 41.2894,  
33.0598

■ 50.6737, 34.2174,  
23.2946

■ 61.6125, 50.2247,  
45.0376

■ 46.9544, 28.8711,  
15.6041

■ 68.9903, 61.1357,  
59.3499

■ 44.2804, 25.1042,  
9.8383

■ 77.7350, 74.1332,  
76.1125

■ 42.5430, 22.7432,  
5.8258

■ 87.9107, 89.3180,  
95.4326

■ 41.6091, 21.5727, 95.0500, 100.0000,  
3.3647 108.9000

■ 41.4024, 21.3250,  
2.7851

# Harmonies

## Analogous

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



55.9838, 41.2894, 54.9199



55.5310, 41.2894, 33.0598



50.3706, 41.2894, 19.9163

# Triad

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



55.5310, 41.2894, 33.0598



29.0816, 41.2894, 21.5901



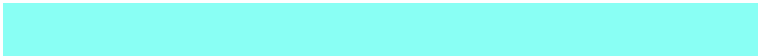
36.0838, 41.2894, 102.0632

# Complementary

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



55.5310, 41.2894, 33.0598



62.4078, 83.3710, 98.3958

# 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.



29.8905, 41.2894, 85.2364



55.5310, 41.2894, 33.0598



26.2263, 41.2894, 36.2786

# Square

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



55.5310, 41.2894, 33.0598



34.8343, 41.2894, 14.9831



26.5011, 41.2894, 59.4129



44.0117, 41.2894, 100.3012



# Rectangle

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



55.5310, 41.2894, 33.0598



45.3019, 41.2894, 15.5841



26.5011, 41.2894, 59.4129



33.7524, 41.2894, 98.2091

# Sweetspot

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



55.5320, 41.2915, 33.0606



79.9188, 77.3873, 80.2732



64.0281, 44.2038, 99.7653



16.6616, 15.9020, 16.3352



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.



55.5320, 41.2915, 33.0606



50.7903, 34.3861, 23.5319



62.9388, 57.4323, 31.4379



18.0781, 18.0146, 19.0284



21.6565, 11.1519, 1.5757



2.1307, 1.0946, 0.2696



# Inverse Universe

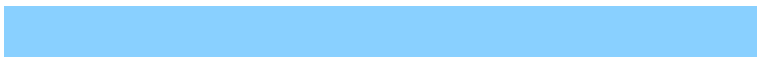
The Inverse Universe completely reimagines the original color for something new.



55.5320, 41.2915, 33.0606



50.7903, 34.3861, 23.5319



50.8755, 57.5546, 103.0355



18.0781, 18.0146, 19.0284



21.6565, 11.1519, 1.5757



2.1307, 1.0946, 0.2696



# Previews

## White Background



This preview shows how the XYZ color 55.5310, 41.2894, 33.0598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

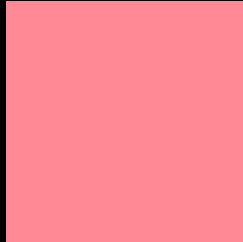
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.5310, 41.2894, 33.0598 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 55.5310, 41.2894, 33.0598**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5310, 41.2894, 33.0598.



This preview shows how white text looks on a background with the XYZ color 55.5310, 41.2894,



# 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

55.5310, 41.2894, 33.0598

### Protanopia

39.7669, 41.6053, 42.0111

### Deuteranopia

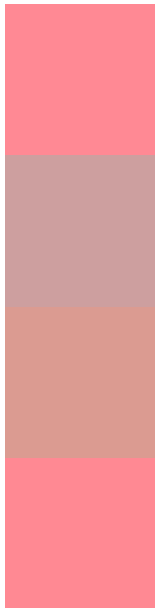
42.1473, 41.3977, 31.7558



## Tritanopia

55.4521, 41.2579, 32.6447

# Trichromacy



## Original Color

55.5310, 41.2894, 33.0598

## Protanomaly

43.8330, 40.2786, 38.2652

## Deuteranomaly

46.0456, 40.5471, 32.1876

## Tritanomaly

55.4521, 41.2579, 32.6447

# Monochromacy



## Original Color

55.5310, 41.2894, 33.0598

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

44.1650, 40.9029, 41.1646

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5310, 41.2894, 33.0598 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, 137, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 148)  
}
```

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, 137, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5310, 41.2894, 33.0598 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, 137, 148) }
```



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

```
.border{ border-color:rgb(255, 137, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5310, 41.2894, 33.0598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 148) }
```

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

```
.background{ background-color: rgb(255,  
137, 148) }
```

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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