

# Converting Colors

XYZ(76.2867, 52.1102, 31.8073)

Have a look what the booklet for  
XYZ(76.2867, 52.1102, 31.8073)  
contains.

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# Color

**XYZ(55.0681, 41.1043,  
30.6227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF898E
RGB	255, 137, 142
RGB Percent	100%, 54%, 56%
CMY	0.0000, 0.4627, 0.4431
CMYK	0.00, 0.46, 0.44, 0.00
HSL	357°, 100%, 77%
HSV	357°, 46%, 100%
XYZ	55.0681, 41.1043, 30.6227
YIQ	172.8520, 68.7230, 26.5710

# Conversions

## Conversions Part 2

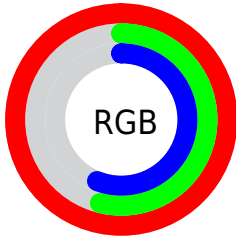
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 137, 142
Decimal	16746894
CIE Lab	70.25, 45.07, 17.67
CIE LCh	70, 48.406, 21.409
Yxy	41.1043, 0.4343, 0.3242
Android (android.graphics.Color)	4294936974 (0xFFFF898E)
YUV	172.8520, -15.2100, 72.0438
Hunter-Lab	64.1126, 41.1214, 16.5596

# Details

The XYZ color **55.0681, 41.1043, 30.6227** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.3339, 83.7413, 103.2731**, and the grayscale version is **39.6967, 41.7641, 45.4811**.

A 20% lighter version of the original color is **70.0534, 62.9448, 60.6819**, and **27.6078, 18.7155, 12.2826** is the 20% darker color. If you saturate the color by 10%, you get **50.2250, 34.0379, 20.9319**, and if you desaturate by 10%, it is **61.1715, 50.0484, 42.7158**.

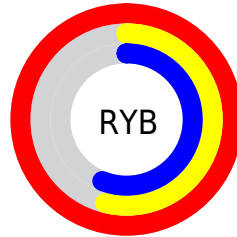
# Distribution



Red (100%)

Green (54%)

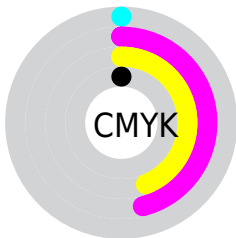
Blue (56%)



Red (100%)

Yellow (54%)

Blue (56%)

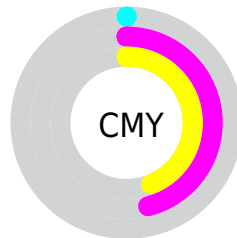


Cyan (0%)

Magenta (46%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (46%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0681, 41.1043, 30.6227 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 55.0681, 41.1043, 30.6227 by changing the saturation by 10% instead.





 55.0681, 41.1043,  
30.6227

 55.0681, 41.1043,  
30.6227


396.3022,  
350.7563, 319.0935


 39.6903, 28.4006,  
20.0557


 96.7885, 76.8422,  
61.7182

 27.4803, 18.6279,  
12.2510


 123.8617,  
100.6452, 83.0837

 18.0727, 11.4017,  
6.7903


 155.5642,  
128.9167, 108.8857

 11.1022, 6.3377,  
3.2548

192.2613,  
162.0412, 139.5429

 6.2034, 3.0515,  
1.2262

234.3183,  
200.4030, 175.4737

 3.0110, 1.1587,  
0.0001

282.1005,

 1.1596, 0.0276,

244.3865, 217.0967

0.0000

335.9734,  
294.3762, 264.8305

■ 0.0741, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.0681, 41.1043,  
30.6227

■ 55.0681, 41.1043,  
30.6227

■ 50.2250, 34.0379,  
20.9319

■ 61.1715, 50.0484,  
42.7158

■ 46.5511, 28.7099,  
13.4810

■ 68.6113, 60.9842,  
57.3544

■ 43.9485, 24.9715,  
8.0914

■ 77.4616, 74.0239,  
74.6729

■ 42.3017, 22.6467,  
4.5560

■ 87.7898, 89.2697,  
94.7961

■ 41.4684, 21.5165, 95.0499, 99.9999,  
2.6245 108.9000

■ 41.2991, 21.2836,  
2.2418

# Harmonies

## Analogous

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



56.1840, 41.1043, 51.6073



55.0681, 41.1043, 30.6227



49.3815, 41.1043, 18.5489

# Triad

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



55.0681, 41.1043, 30.6227



28.3131, 41.1043, 22.6543



36.8327, 41.1043, 103.3726

# Complementary

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



55.0681, 41.1043, 30.6227



63.3339, 83.7413, 103.2731

# 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.



30.3015, 41.1043, 88.3453



55.0681, 41.1043, 30.6227



25.8382, 41.1043, 38.5389

# Square

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



55.0681, 41.1043, 30.6227



33.7585, 41.1043, 15.1511



26.5133, 41.1043, 62.6796



44.9078, 41.1043, 99.0227



# Rectangle

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



55.0681, 41.1043, 30.6227



44.1386, 41.1043, 14.7969



26.5133, 41.1043, 62.6796



34.4022, 41.1043, 100.2759

# Sweetspot

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



55.0692, 41.1064, 30.6235



79.6758, 77.2901, 78.9937



66.0993, 45.2716, 99.8619



16.6034, 15.8787, 16.0287



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.



55.0692, 41.1064, 30.6235



50.3408, 34.2063, 21.1647



64.1917, 59.9383, 31.8557



18.0405, 17.9995, 18.8306



21.5931, 11.1265, 1.2420



2.1129, 1.0875, 0.1760



# Inverse Universe

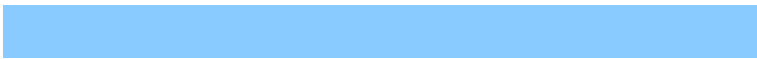
The Inverse Universe completely reimagines the original color for something new.



55.0692, 41.1064, 30.6235



50.3408, 34.2063, 21.1647



49.4655, 54.7346, 102.5652



18.0405, 17.9995, 18.8306



21.5931, 11.1265, 1.2420

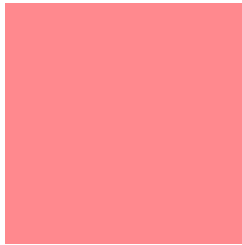


2.1129, 1.0875, 0.1760



# Previews

## White Background



This preview shows how the XYZ color 55.0681, 41.1043, 30.6227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

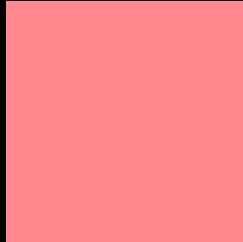
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.0681, 41.1043, 30.6227 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 55.0681, 41.1043, 30.6227**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0681, 41.1043, 30.6227.



This preview shows how white text looks on a background with the XYZ color 55.0681, 41.1043,

30.6227.

# 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

55.0681, 41.1043, 30.6227

### Protanopia

39.3706, 41.4732, 38.7310

### Deuteranopia

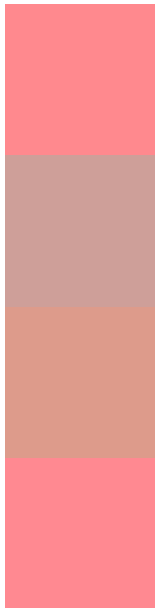
42.0579, 41.1339, 29.3899



## Tritanopia

55.3740, 41.2266, 32.2331

# Trichromacy



## Original Color

55.0681, 41.1043, 30.6227

## Protanomaly

43.6015, 40.2180, 35.6018

## Deuteranomaly

46.2003, 40.6789, 29.8429

## Tritanomaly

55.2965, 41.1957, 31.8252

# Monochromacy



## Original Color

55.0681, 41.1043, 30.6227

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

43.7210, 40.4468, 39.6851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0681, 41.1043, 30.6227 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 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, 137, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0681, 41.1043, 30.6227 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, 142) }
```



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

```
.border{ border-color:rgb(255, 137, 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, 137, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0681, 41.1043, 30.6227 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, 142) }
```

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

```
.background{ background-color: rgb(255,  
137, 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](#).

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