

# Converting Colors

XYZ(55.6735, 42.3805, 30.6227)

Have a look what the booklet for  
XYZ(55.6735, 42.3805, 30.6227)  
contains.

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# Color

**XYZ(55.5726, 42.2328,  
30.4221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8D8D
RGB	255, 141, 141
RGB Percent	100%, 55%, 55%
CMY	0.0000, 0.4470, 0.4471
CMYK	0.00, 0.45, 0.45, 0.00
HSL	0°, 100%, 78%
HSV	0°, 45%, 100%
XYZ	55.5726, 42.2328, 30.4221
YIQ	175.0860, 67.9440, 24.1680

# Conversions

## Conversions Part 2

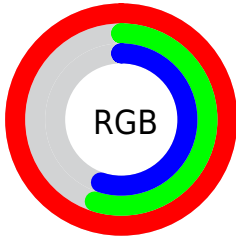
Format	Color
R <sub>Y</sub> B	255, 141, 141
Decimal	16747917
CIE Lab	71.03, 42.96, 19.30
CIE LCh	71, 47.101, 24.195
Yxy	42.2328, 0.4334, 0.3294
Android (android.graphics.Color)	4294937997 (0xFFFF8D8D)
YUV	175.0860, -16.8044, 70.0846
Hunter-Lab	64.9868, 38.9151, 17.7355

# Details

The XYZ color **55.5726, 42.2328, 30.4221** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.7927, 84.3989, 107.4833**, and the grayscale version is **40.8528, 42.9803, 46.8056**.

A 20% lighter version of the original color is **70.8303, 64.6800, 60.3811**, and **27.8837, 19.3369, 12.1603** is the 20% darker color. If you saturate the color by 10%, you get **50.5523, 34.8871, 20.4408**, and if you desaturate by 10%, it is **61.8973, 51.4883, 42.9938**.

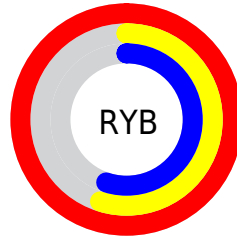
# Distribution



Red (100%)

Green (55%)

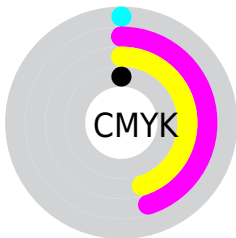
Blue (55%)



Red (100%)

Yellow (55%)

Blue (55%)

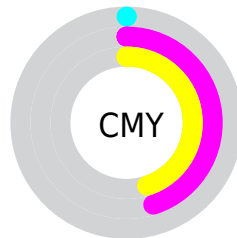


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5726, 42.2328, 30.4221 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 55.5726, 42.2328, 30.4221 by changing the saturation by 10% instead.





 55.5726, 42.2328,  
30.4221


 55.5726, 42.2328,  
30.4221


398.1800,  
355.4471, 318.1354


 40.0960, 29.2836,  
19.9044


 97.5228, 78.5518,  
61.3979

 27.7980, 19.2955,  
12.1422


 124.7272,  
102.6905, 82.6932

 18.3131, 11.8840,  
6.7169


 156.5715,  
131.3277, 108.4181

 11.2760, 6.6647,  
3.2099

193.4211,  
164.8480, 138.9911

 6.3215, 3.2533,  
1.2028

235.6415,  
203.6357, 174.8308

 3.0840, 1.2654,  
0.0000

283.5978,

 1.1984, 0.1142,

248.0752, 216.3557

0.0000

337.6555,  
298.5508, 263.9844

■ 0.1051, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5726, 42.2328,  
30.4221

■ 55.5726, 42.2328,  
30.4221

■ 50.5523, 34.8871,  
20.4408

■ 61.8973, 51.4883,  
42.9938

■ 46.7424, 29.3122,  
12.8674

■ 69.6051, 62.7670,  
58.3165

■ 44.0420, 25.3606,  
7.4994

■ 78.7724, 76.1813,  
76.5406

■ 42.3321, 22.8583,  
4.1005

■ 89.4689, 91.8333,  
97.8050

■ 41.4664, 21.5915, 95.0499, 100.0000,  
2.3800 108.9000

■ 41.2401, 21.2603,  
1.9300

# Harmonies

## Analogous

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



57.1407, 42.2328, 50.5043



55.5726, 42.2328, 30.4221



49.6522, 42.2328, 19.0470

# Triad

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



55.5726, 42.2328, 30.4221



29.0847, 42.2328, 25.0186



38.6312, 42.2328, 103.9186

# Complementary

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



55.5726, 42.2328, 30.4221



64.7927, 84.3989, 107.4833

# 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.



31.9293, 42.2328, 90.8025



55.5726, 42.2328, 30.4221



26.8993, 42.2328, 41.7424

# Square

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



55.5726, 42.2328, 30.4221



34.2575, 42.2328, 16.7156



27.8685, 42.2328, 66.1130



46.6623, 42.2328, 97.8714



# Rectangle

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



55.5726, 42.2328, 30.4221



44.4015, 42.2328, 15.6360



27.8685, 42.2328, 66.1130



36.1622, 42.2328, 101.5009

# Sweetspot

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



55.5737, 42.2350, 30.4229



80.4866, 78.6897, 79.9484



68.8150, 47.5301, 100.1549



16.7544, 16.1506, 16.1718



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.



55.5737, 42.2350, 30.4229



50.8657, 35.3457, 21.0637



66.2419, 63.5715, 33.9790



18.0095, 17.9872, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

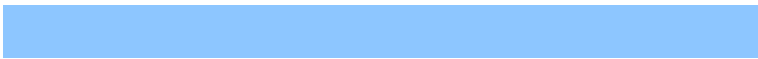
The Inverse Universe completely reimagines the original color for something new.



64.7927, 84.3989, 107.4833



61.1842, 82.5381, 107.3145



49.2289, 53.2712, 102.2953



18.5549, 20.4813, 23.2253



28.1147, 41.1390, 55.8934



2.7375, 4.0056, 5.4422



# Previews

## White Background



This preview shows how the XYZ color 55.5726, 42.2328, 30.4221 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 55.5726, 42.2328, 30.4221 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 55.5726, 42.2328, 30.4221**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5726, 42.2328, 30.4221.



This preview shows how white text looks on a background with the XYZ color 55.5726, 42.2328,

30.4221.

# 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

55.5726, 42.2328, 30.4221

### Protanopia

40.2779, 42.5302, 37.9846

### Deuteranopia

43.1645, 42.2524, 29.1731



## Tritanopia

56.1231, 42.2182, 34.0451

# Trichromacy



## Original Color

55.5726, 42.2328, 30.4221



## Protanomaly

44.5187, 41.4849, 34.9392



## Deuteranomaly

47.2457, 41.9767, 29.6569



## Tritanomaly

55.8845, 42.1228, 32.7888

# Monochromacy



## Original Color

55.5726, 42.2328, 30.4221



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

44.6099, 41.6761, 40.3434

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5726, 42.2328, 30.4221 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, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 141)  
}
```

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, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5726, 42.2328, 30.4221 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, 141, 141) }
```



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

```
.border{ border-color:rgb(255, 141, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5726, 42.2328, 30.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 141) }
```

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

```
.background{ background-color: rgb(255,  
141, 141) }
```

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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