

# Converting Colors

XYZ(63.8066, 46.4050, 55.9026)

Have a look what the booklet for  
XYZ(63.8066, 46.4050, 55.9026)  
contains.

|  |    |
|--|----|
| <b>XYZ(60.6881, 44.7552, 55.8921)</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(60.6881, 44.7552,  
55.8921)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF8FC1                     |
| RGB         | 255, 143, 193              |
| RGB Percent | 100%, 56%, 76%             |
| CMY         | 0.0000, 0.4392, 0.2431     |
| CMYK        | 0.00, 0.44, 0.24, 0.00     |
| HSL         | 333°, 100%, 78%            |
| HSV         | 333°, 44%, 100%            |
| XYZ         | 60.6881, 44.7552, 55.8921  |
| YIQ         | 182.1880, 50.7020, 39.2940 |

# Conversions

## Conversions Part 2

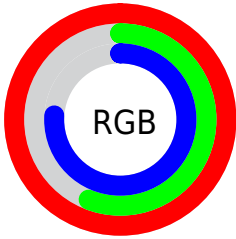
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 143, 193                |
| Decimal                             | 16748481                     |
| CIE <sub>Lab</sub>                  | 72.73, 48.09, -7.15          |
| CIE <sub>LCh</sub>                  | 73, 48.622, 351.539          |
| Yxy                                 | 44.7552, 0.3762,<br>0.2774   |
| Android<br>(android.graphics.Color) | 4294938561<br>(0xFFFF8FC1)   |
| YUV                                 | 182.1880, 5.3303,<br>63.8561 |
| Hunter-Lab                          | 66.8993, 44.8535,<br>-2.7052 |

# Details

The XYZ color **60.6881, 44.7552, 55.8921** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.1091, 81.7683, 70.4816**, and the grayscale version is **44.5196, 46.8381, 51.0067**.

A 20% lighter version of the original color is **78.7623, 68.9464, 98.7793**, and **31.0710, 20.7740, 27.1831** is the 20% darker color. If you saturate the color by 10%, you get **55.7855, 37.3510, 46.8557**, and if you desaturate by 10%, it is **66.6133, 53.9636, 66.0120**.

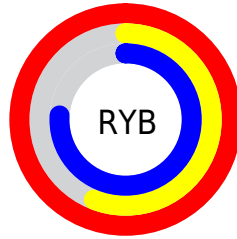
# Distribution



Red (100%)

Green (56%)

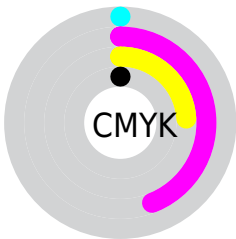
Blue (76%)



Red (100%)

Yellow (56%)

Blue (76%)

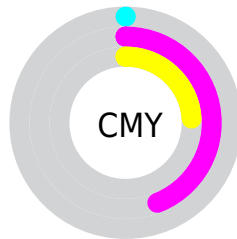


Cyan (0%)

Magenta (44%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6881, 44.7552, 55.8921 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 60.6881, 44.7552, 55.8921 by changing the saturation by 10% instead.





 60.6881, 44.7552,  
55.8921


 60.6881, 44.7552,  
55.8921


416.9237,  
365.7812, 426.6616

 44.2251, 31.2647,  
39.7130

 104.9279, 82.3529,  
100.3310

 31.0462, 20.8005,  
27.0028

 133.4353,  
107.2289, 129.4279

 20.7860, 12.9782,  
17.3428


166.6883,  
136.6688, 163.6678

 13.0792, 7.4136,  
10.3147

205.0522,  
171.0571, 203.4693

 7.5605, 3.7221,  
5.4998

248.8923,  
210.7780, 249.2509

 3.8645, 1.5193,  
2.4796

298.5740,

 1.6257, 0.3023,

256.2161, 301.4311

0.8293

354.4627,  
307.7557, 360.4285

■ 0.4091, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.6881, 44.7552,  
55.8921

■ 60.6881, 44.7552,  
55.8921

■ 55.7855, 37.3510,  
46.8557

■ 66.6133, 53.9636,  
66.0120

■ 51.8381, 31.6236,  
38.8582

■ 73.6157, 65.0796,  
77.2521

■ 48.7755, 27.4390,  
31.8552

■ 81.7502, 78.2064,  
89.6501

■ 46.5152, 24.6392,  
25.7962

■ 91.0665, 93.4378,  
103.2412

■ 44.9568, 23.0317, 95.0500, 100.0000,  
20.6243 108.9000

■ 44.2677, 22.4711,  
17.8739

# Harmonies

## Analogous

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



56.5487, 44.7552, 83.7198



60.6881, 44.7552, 55.8921



59.4842, 44.7552, 33.5855

# Triad

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



60.6881, 44.7552, 55.8921



36.8559, 44.7552, 17.0296



33.2244, 44.7552, 94.9187

# Complementary

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



60.6881, 44.7552, 55.8921



58.1091, 81.7683, 70.4816

# 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.



29.1618, 44.7552, 67.8569



60.6881, 44.7552, 55.8921



31.0574, 44.7552, 25.1677

# Square

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



60.6881, 44.7552, 55.8921



44.9706, 44.7552, 15.7066



28.4246, 44.7552, 42.2089



40.1957, 44.7552, 110.6502



# Rectangle

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



60.6881, 44.7552, 55.8921



55.8743, 44.7552, 23.9570



28.4246, 44.7552, 42.2089



31.5138, 44.7552, 86.4921

# Sweetspot

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



60.6892, 44.7573, 55.8930



82.5562, 79.5168, 90.8487



52.9410, 39.7898, 99.4976



17.2596, 16.3525, 18.8328



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.



60.6892, 44.7573, 55.8930



56.1952, 37.9596, 47.6421



56.8837, 44.6140, 31.6026



18.3464, 18.1219, 20.4411



23.2034, 11.7707, 9.7216



2.3133, 1.1677, 1.2310



# Inverse Universe

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



60.6892, 44.7573, 55.8930



56.1952, 37.9596, 47.6421



63.3784, 81.0594, 106.9134



18.3464, 18.1219, 20.4411



23.2034, 11.7707, 9.7216

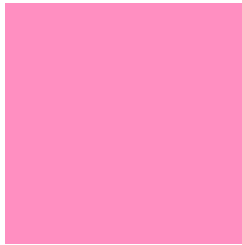


2.3133, 1.1677, 1.2310



# Previews

## White Background



This preview shows how the XYZ color 60.6881, 44.7552, 55.8921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

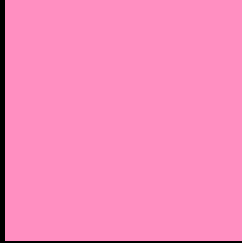
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6881, 44.7552, 55.8921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

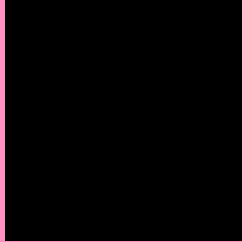
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.6881, 44.7552, 55.8921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.6881, 44.7552, 55.8921.



This preview shows how white text looks on a background with the XYZ color 60.6881, 44.7552,



# 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

60.6881, 44.7552, 55.8921

### Protanopia

44.7825, 45.0085, 70.6172

### Deuteranopia

45.9514, 45.1094, 53.8620



## Tritanopia

57.2375, 44.7284, 38.8744

# Trichromacy



## Original Color

60.6881, 44.7552, 55.8921



## Protanomaly

49.0747, 43.9718, 64.9324



## Deuteranomaly

50.4158, 44.3592, 54.6202



## Tritanomaly

58.3881, 44.7286, 44.5858

# Monochromacy



## Original Color

60.6881, 44.7552, 55.8921



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

49.1601, 45.1057, 52.5696

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6881, 44.7552, 55.8921 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6881, 44.7552, 55.8921 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, 193) }
```



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

```
.border{ border-color:rgb(255, 143, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6881, 44.7552, 55.8921 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, 193) }
```

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

```
.background{ background-color: rgb(255,  
143, 193) }
```

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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