

# Converting Colors

XYZ(76.4521, 54.6981, 89.6654)

Have a look what the booklet for  
XYZ(76.4521, 54.6981, 89.6654)  
contains.

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# Color

**XYZ(68.6728, 50.7221,  
89.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9AF1
RGB	255, 154, 241
RGB Percent	100%, 60%, 95%
CMY	0.0000, 0.3961, 0.0549
CMYK	0.00, 0.40, 0.05, 0.00
HSL	308°, 100%, 80%
HSV	308°, 40%, 100%
XYZ	68.6728, 50.7221, 89.3900
YIQ	194.1170, 32.2690, 48.4690

# Conversions

## Conversions Part 2

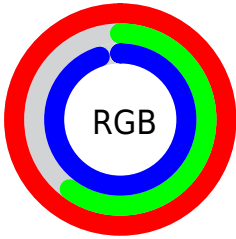
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 154, 241</a>
Decimal	<a href="#">16751345</a>
CIELab	<a href="#">76.51, 49.91, -27.77</a>
CIELCh	<a href="#">77, 57.116, 330.907</a>
Yxy	<a href="#">50.7221, 0.3289, 0.2429</a>
Android (android.graphics.Color)	<a href="#">4294941425 (0xFFFF9AF1)</a>
YUV	<a href="#">194.1170, 23.1133, 53.3944</a>
Hunter-Lab	<a href="#">71.2194, 47.4832, -24.5633</a>

# Details

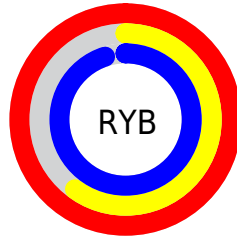
The XYZ color **68.6728, 50.7221, 89.3900** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.1559, 81.2180, 49.7652**, and the grayscale version is **51.2028, 53.8694, 58.6637**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **36.3401, 24.4874, 48.7102** is the 20% darker color. If you saturate the color by 10%, you get **64.3796, 42.9724, 85.3797**, and if you desaturate by 10%, it is **73.8723, 60.2677, 93.7542**.

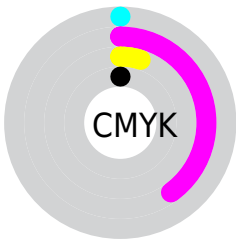
# Distribution



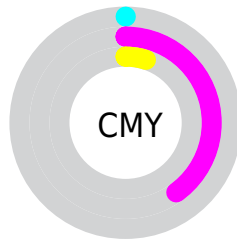
- Red (100%)
- Green (60%)
- Blue (95%)



- Red (100%)
- Yellow (60%)
- Blue (95%)



- Cyan (0%)
- Magenta (40%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6728, 50.7221, 89.3900 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 68.6728, 50.7221, 89.3900 by changing the saturation by 10% instead.




 68.6728, 50.7221,  
89.3900


 68.6728, 50.7221,  
89.3900

445.2155,  
389.4831, 546.5634

 50.7210, 35.9875,  
66.9040

 116.3507, 91.2439,  
148.4189

 36.2067, 24.4245,  
48.5455


 146.8076,  
117.7998, 185.7988

 24.7647, 15.6488,  
33.8960

182.1634,  
149.0650, 228.9805

 16.0297, 9.2760,  
22.5370

222.7836,  
185.4238, 278.3824

 9.6361, 4.9216,  
14.0499

269.0336,  
227.2606, 334.4231

 5.2188, 2.2014,  
8.0163

321.2787,

 2.4123, 0.7207,

274.9598, 397.5211

4.0174

379.8842,  
328.9059, 468.0950

■ 0.8512, 0.0000,  
1.6349

■ 0.0000, 0.0000,  
0.3155

■ 68.6728, 50.7221,  
89.3900

■ 68.6728, 50.7221,  
89.3900

■ 64.3796, 42.9724,  
85.3797

■ 73.8723, 60.2677,  
93.7542

■ 60.9323, 36.8983,  
81.7010

■ 80.0269, 71.7072,  
98.4870

■ 58.2682, 32.3744,  
78.3334

■ 87.1860, 85.1390,  
103.6057

■ 56.3144, 29.2550,  
75.2522

95.0500, 100.0000,  
108.9000

■ 54.9842, 27.3668,  
72.4283

■ 54.1418, 26.4382,  
69.8161

■ 54.1124, 26.4090,  
69.7153

# Harmonies

## Analogous

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



59.6528, 50.7221, 123.3752



68.6728, 50.7221, 89.3900



72.0318, 50.7221, 54.2938

# Triad

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



68.6728, 50.7221, 89.3900



47.8826, 50.7221, 14.6105



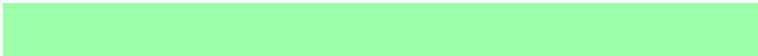
32.5302, 50.7221, 91.6515

# Complementary

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



68.6728, 50.7221, 89.3900



56.1559, 81.2180, 49.7652

# 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.



30.3211, 50.7221, 56.1723



68.6728, 50.7221, 89.3900



38.3326, 50.7221, 18.3610

# Square

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



68.6728, 50.7221, 89.3900



59.0005, 50.7221, 17.9140



32.2785, 50.7221, 31.1112



38.8222, 50.7221, 124.9872



# Rectangle

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



68.6728, 50.7221, 89.3900



70.2672, 50.7221, 36.6459



32.2785, 50.7221, 31.1112



31.3314, 50.7221, 79.2206

# Sweetspot

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



68.6739, 50.7241, 89.3910



85.3778, 81.7364, 102.3441



45.6428, 38.6002, 99.6527



18.0686, 17.1083, 21.7606



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.



68.6739, 50.7241, 89.3910



65.0104, 44.1008, 86.0008



62.2047, 48.1364, 55.3244



18.6780, 18.2545, 22.1874



28.3167, 13.8160, 36.6478



2.7856, 1.3566, 3.7186



# Inverse Universe

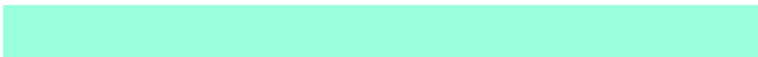
The Inverse Universe completely reimagines the original color for something new.



68.6739, 50.7241, 89.3910



65.0104, 44.1008, 86.0008



61.7384, 83.4509, 79.1620



18.6780, 18.2545, 22.1874



28.3167, 13.8160, 36.6478



2.7856, 1.3566, 3.7186



# Previews

## White Background



This preview shows how the XYZ color 68.6728, 50.7221, 89.3900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

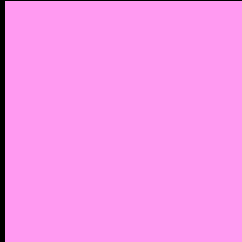
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6728, 50.7221, 89.3900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

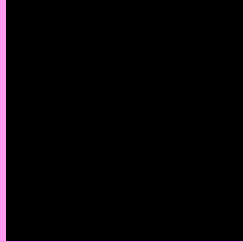
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.6728, 50.7221, 89.3900**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6728, 50.7221, 89.3900.



This preview shows how white text looks on a background with the XYZ color 68.6728, 50.7221,

89.3900.

# 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

68.6728, 50.7221, 89.3900

### Protanopia

52.1825, 51.1957, 101.7392

### Deuteranopia

52.1115, 50.8864, 85.6728



## Tritanopia

60.3132, 50.6663, 49.2485

# Trichromacy



## Original Color

68.6728, 50.7221, 89.3900



## Protanomaly

56.4047, 49.8414, 97.0900



## Deuteranomaly

57.0005, 50.0882, 86.7845



## Tritanomaly

63.0053, 50.4289, 62.2901

# Monochromacy



## Original Color

68.6728, 50.7221, 89.3900



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

56.1969, 51.5423, 68.6148

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6728, 50.7221, 89.3900 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, 154, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 241)  
}
```

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, 154, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6728, 50.7221, 89.3900 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, 154, 241) }
```



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

```
.border{ border-color:rgb(255, 154, 241) }
```

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

Here you see how a box with a 4 pixel rgb(255, 154, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6728, 50.7221, 89.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 241) }
```

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

```
.background{ background-color: rgb(255,  
154, 241) }
```

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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