

Converting Colors

XYZ(68.2905, 50.4389, 87.7783)

Have a look what the booklet for
XYZ(68.2905, 50.4389, 87.7783)
contains.

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Color

**XYZ(68.3756, 50.6032,
87.8250)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9AEF
RGB	255, 154, 239
RGB Percent	100%, 60%, 94%
CMY	0.0000, 0.3961, 0.0627
CMYK	0.00, 0.40, 0.06, 0.00
HSL	310°, 100%, 80%
HSV	310°, 40%, 100%
XYZ	68.3756, 50.6032, 87.8250
YIQ	193.8890, 32.9110, 47.8470

Conversions

Conversions Part 2

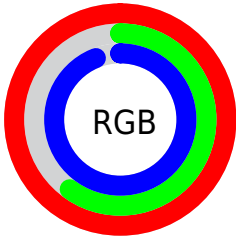
Format	Color
R _Y B	255, 154, 239
Decimal	16751343
CIE Lab	76.44, 49.57, -26.80
CIE LCh	76, 56.353, 331.607
Yxy	50.6032, 0.3306, 0.2447
Android (android.graphics.Color)	4294941423 (0xFFFF9AEF)
YUV	193.8890, 22.2397, 53.5943
Hunter-Lab	71.1359, 47.0857, -23.4048

Details

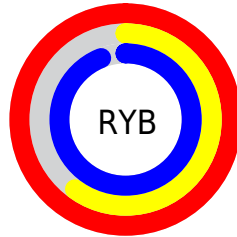
The XYZ color **68.3756, 50.6032, 87.8250** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **56.3438, 81.2931, 50.7542**, and the grayscale version is **51.0729, 53.7326, 58.5148**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **36.1304, 24.4036, 47.6058** is the 20% darker color. If you saturate the color by 10%, you get **64.0152, 42.8266, 83.4604**, and if you desaturate by 10%, it is **73.6455, 60.1769, 92.5599**.

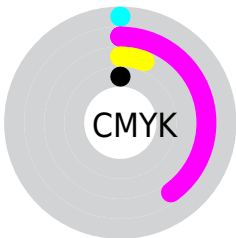
Distribution



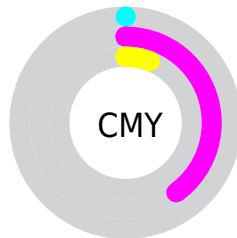
- Red (100%)
- Green (60%)
- Blue (94%)



- Red (100%)
- Yellow (60%)
- Blue (94%)



- Cyan (0%)
- Magenta (40%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3756, 50.6032, 87.8250 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 68.3756, 50.6032, 87.8250 by changing the saturation by 10% instead.


 68.3756, 50.6032,
87.8250


 68.3756, 50.6032,
87.8250


444.1815,
389.0202, 541.3164

 50.4782, 35.8929,
65.6146


 115.9283, 91.0680,
146.2225

 36.0128, 24.3515,
47.5051

 146.3142,
117.5912, 183.2467

 24.6143, 15.5946,
33.0780


181.5937,
148.8210, 226.0459

 15.9171, 9.2377,
21.9146

222.1320,
185.1415, 275.0387

 9.5560, 4.8966,
13.5964

268.2946,
226.9373, 330.6436

 5.1656, 2.1867,
7.7050

320.4469,

 2.3805, 0.7127,

274.5928, 393.2792

3.8217

378.9540,
328.4923, 463.3639

■ 0.8354, 0.0000,
1.5280

■ 0.0000, 0.0000,
0.2387

■ 68.3756, 50.6032,
87.8250

■ 68.3756, 50.6032,
87.8250

■ 64.0152, 42.8266,
83.4604

■ 73.6455, 60.1769,
92.5599

■ 60.5036, 36.7268,
79.4434

■ 79.8736, 71.6459,
97.6798

■ 57.7783, 32.1784,
75.7536

■ 87.1093, 85.1083,
103.2022

■ 55.7663, 29.0357,
72.3660

95.0500, 100.0000,
108.9000

■ 54.3809, 27.1255,
69.2514

■ 53.4863, 26.1760,
66.3641

■ 53.4549, 26.1460,
66.2528

Harmonies

Analogous

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



59.6044, 50.6032, 121.3680



68.3756, 50.6032, 87.8250



71.5162, 50.6032, 53.4757

Triad

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



68.3756, 50.6032, 87.8250



47.5269, 50.6032, 14.8922



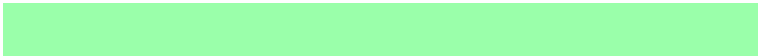
32.7260, 50.6032, 91.7553

Complementary

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



68.3756, 50.6032, 87.8250



56.3438, 81.2931, 50.7542

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.



30.4455, 50.6032, 56.7533



68.3756, 50.6032, 87.8250



38.1748, 50.6032, 18.8070

Square

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



68.3756, 50.6032, 87.8250



58.4683, 50.6032, 18.0179



32.2853, 50.6032, 31.7172



39.0307, 50.6032, 124.1635

Rectangle

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



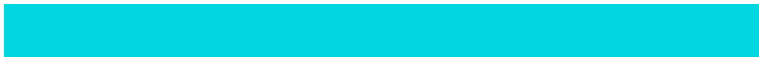
68.3756, 50.6032, 87.8250



69.6746, 50.6032, 36.2573



32.2853, 50.6032, 31.7172



31.5089, 50.6032, 79.5436

Sweetspot

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



68.3767, 50.6052, 87.8260



85.2825, 81.6983, 101.8424



46.0021, 38.7854, 99.6695



18.0461, 17.0993, 21.6418



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.



68.3767, 50.6052, 87.8260



64.6566, 43.9592, 84.1372



62.0204, 48.0627, 54.3540



18.6618, 18.2480, 22.1019



27.9777, 13.6804, 34.8624



2.7558, 1.3447, 3.5615

Inverse Universe

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



68.3767, 50.6052, 87.8260



64.6566, 43.9592, 84.1372



61.9598, 83.5395, 80.3279



18.6618, 18.2480, 22.1019



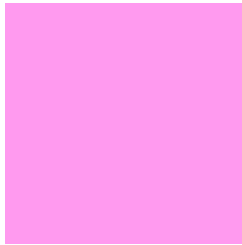
27.9777, 13.6804, 34.8624



2.7558, 1.3447, 3.5615

Previews

White Background



This preview shows how the XYZ color 68.3756, 50.6032, 87.8250 looks on a white background.

Color Contrast Check

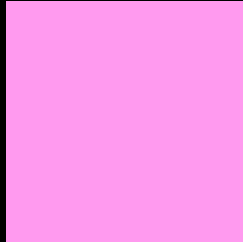
Large Text (above 18pt) WCAG AA × Fail

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 68.3756, 50.6032, 87.8250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

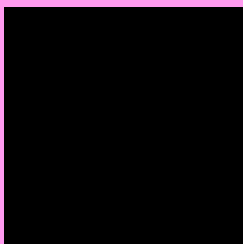
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3756, 50.6032, 87.8250

Background



This preview shows how black text looks on a background with the XYZ color 68.3756, 50.6032, 87.8250.



This preview shows how white text looks on a background with the XYZ color 68.3756, 50.6032,

87.8250.

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

68.3756, 50.6032, 87.8250

Protanopia

52.1825, 51.1957, 101.7392

Deuteranopia

52.0645, 50.8954, 84.1705



Tritanopia

60.4843, 50.4836, 49.2043

Trichromacy



Original Color

68.3756, 50.6032, 87.8250



Protanomaly

56.2483, 49.7789, 96.2662



Deuteranomaly

56.7098, 49.9719, 85.2539



Tritanomaly

63.2466, 50.5669, 61.6853

Monochromacy



Original Color

68.3756, 50.6032, 87.8250



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.0719, 51.4923, 67.9565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3756, 50.6032, 87.8250 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 239) }
```

Border

The CSS property to change the border of an element to XYZ 68.3756, 50.6032, 87.8250 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, 239) }
```


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

```
.border{ border-color:rgb(255, 154, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3756, 50.6032, 87.8250 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, 239) }
```

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

```
.background{ background-color: rgb(255,  
154, 239) }
```

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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