

Converting Colors

XYZ(68.3937, 51.3068, 85.7733)

Have a look what the booklet for
XYZ(68.3937, 51.3068, 85.7733)
contains.

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Color

**XYZ(68.4373, 51.4301,
85.6768)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DEC
RGB	255, 157, 236
RGB Percent	100%, 62%, 93%
CMY	0.0000, 0.3843, 0.0745
CMYK	0.00, 0.38, 0.07, 0.00
HSL	312°, 100%, 81%
HSV	312°, 38%, 100%
XYZ	68.4373, 51.4301, 85.6768
YIQ	195.3080, 33.0490, 45.3450

Conversions

Conversions Part 2

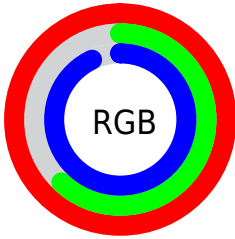
Format	Color
R _Y B	255, 157, 236
Decimal	16752108
CIE Lab	76.94, 47.55, -24.40
CIE LCh	77, 53.446, 332.833
Yxy	51.4301, 0.3330, 0.2502
Android (android.graphics.Color)	4294942188 (0xFFFF9DEC)
YUV	195.3080, 20.0612, 52.3499
Hunter-Lab	71.7148, 44.8414, -20.6327

Details

The XYZ color **68.4373, 51.4301, 85.6768** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.5028, 81.8235, 53.8398**, and the grayscale version is **51.9269, 54.6312, 59.4934**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **36.1144, 24.8661, 46.0762** is the 20% darker color. If you saturate the color by 10%, you get **63.8563, 43.4016, 80.6552**, and if you desaturate by 10%, it is **73.9407, 61.2712, 91.1053**.

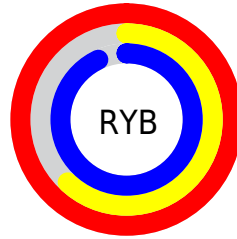
Distribution



Red (100%)

Green (62%)

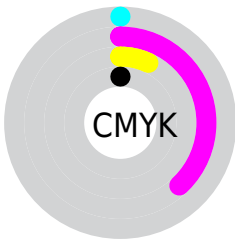
Blue (93%)



Red (100%)

Yellow (62%)

Blue (93%)

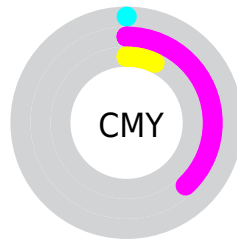


Cyan (0%)

Magenta (38%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4373, 51.4301, 85.6768 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 68.4373, 51.4301, 85.6768 by changing the saturation by 10% instead.


 68.4373, 51.4301,
85.6768


 68.4373, 51.4301,
85.6768


444.3963,
392.2325, 534.0678

 50.5286, 36.5510,
63.8474

 116.0160, 92.2902,
143.2009

 36.0531, 24.8601,
46.0817


 146.4166,
119.0400, 179.7327

 24.6455, 15.9728,
31.9612


181.7120,
150.5156, 222.0024

 15.9404, 9.5049,
21.0673

222.2674,
187.1012, 270.4285

 9.5726, 5.0720,
12.9815

268.4481,
229.1813, 325.4295

 5.1766, 2.2895,
7.2852

320.6196,

 2.3871, 0.7682,

277.1403, 387.4241

3.5600

379.1472,
331.3626, 456.8306

■ 0.8387, 0.0000,
1.3872

■ 0.0000, 0.0000,
0.1317

■ 68.4373, 51.4301,
85.6768

■ 68.4373, 51.4301,
85.6768

■ 63.8563, 43.4016,
80.6552

■ 73.9407, 61.2712,
91.1053

■ 60.1376, 37.0665,
76.0177

■ 80.4149, 73.0217,
96.9556

■ 57.2195, 32.3012,
71.7437

■ 87.9086, 86.7793,
103.2454

■ 55.0303, 28.9625,
67.8083

95.0500, 100.0000,
108.9000

■ 53.4850, 26.8810,
64.1825

■ 52.4651, 25.8196,
60.8259

■ 52.3272, 25.6949,
60.3145

Harmonies

Analogous

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



60.2766, 51.4301, 117.5087



68.4373, 51.4301, 85.6768



71.1436, 51.4301, 53.2749

Triad

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



68.4373, 51.4301, 85.6768



47.9222, 51.4301, 16.6073



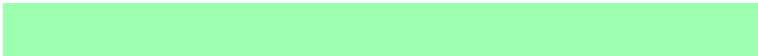
34.2171, 51.4301, 92.2044

Complementary

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



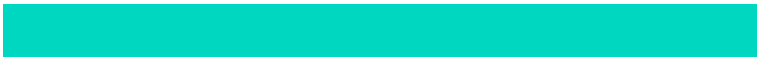
68.4373, 51.4301, 85.6768



57.5028, 81.8235, 53.8398

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.



31.8298, 51.4301, 58.8137



68.4373, 51.4301, 85.6768



39.0236, 51.4301, 20.8789

Square

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



68.4373, 51.4301, 85.6768



58.3712, 51.4301, 19.4770



33.4605, 51.4301, 34.1129



40.4826, 51.4301, 122.1063

Rectangle

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



68.4373, 51.4301, 85.6768



69.2229, 51.4301, 36.9482



33.4605, 51.4301, 34.1129



32.9771, 51.4301, 80.6774

Sweetspot

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



68.4385, 51.4322, 85.6778



85.1127, 81.6303, 100.9478



47.7809, 40.4467, 99.8964



18.0059, 17.0832, 21.4302



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.



68.4385, 51.4322, 85.6778



64.8876, 45.1918, 81.8390



62.3792, 49.0085, 53.7700



18.6328, 18.2364, 21.9494



27.3957, 13.4476, 31.7980



2.7043, 1.3241, 3.2903

Inverse Universe

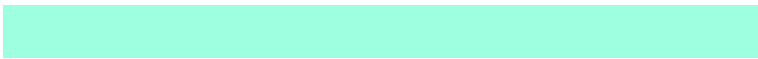
The Inverse Universe completely reimagines the original color for something new.



68.4385, 51.4322, 85.6778



64.8876, 45.1918, 81.8390



63.1161, 84.0688, 83.3990



18.6328, 18.2364, 21.9494



27.3957, 13.4476, 31.7980



2.7043, 1.3241, 3.2903

Previews

White Background



This preview shows how the XYZ color 68.4373, 51.4301, 85.6768 looks on a white background.

Color Contrast Check

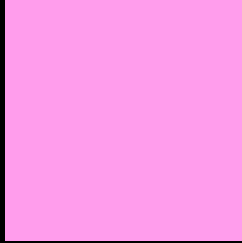
Large Text (above 18pt) WCAG AA × Fail

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 68.4373, 51.4301, 85.6768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

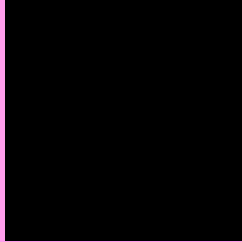
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4373, 51.4301, 85.6768

Background



This preview shows how black text looks on a background with the XYZ color 68.4373, 51.4301, 85.6768.



This preview shows how white text looks on a background with the XYZ color 68.4373, 51.4301,

85.6768.

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

68.4373, 51.4301, 85.6768

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

52.9690, 51.7061, 82.7898



Tritanopia

61.0545, 51.2979, 50.3996

Trichromacy



Original Color

68.4373, 51.4301, 85.6768



Protanomaly

57.0225, 50.7781, 95.6027



Deuteranomaly

57.4785, 50.6893, 83.8454



Tritanomaly

63.6017, 51.2772, 61.8037

Monochromacy



Original Color

68.4373, 51.4301, 85.6768



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

56.7720, 52.4526, 68.1049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4373, 51.4301, 85.6768 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, 157, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 236)  
}
```

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, 157, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 236) }
```

Border

The CSS property to change the border of an element to XYZ 68.4373, 51.4301, 85.6768 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, 157, 236) }
```


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

```
.border{ border-color:rgb(255, 157, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 157, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4373, 51.4301, 85.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 236) }
```

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

```
.background{ background-color: rgb(255,  
157, 236) }
```

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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