

Converting Colors

XYZ(68.5588, 51.4813, 85.2220)

Have a look what the booklet for
XYZ(68.5588, 51.4813, 85.2220)
contains.

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Color

**XYZ(68.2924, 51.3721,
84.9137)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9DEB
RGB	255, 157, 235
RGB Percent	100%, 62%, 92%
CMY	0.0000, 0.3843, 0.0784
CMYK	0.00, 0.38, 0.08, 0.00
HSL	312°, 100%, 81%
HSV	312°, 38%, 100%
XYZ	68.2924, 51.3721, 84.9137
YIQ	195.1940, 33.3700, 45.0340

Conversions

Conversions Part 2

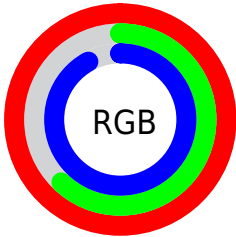
Format	Color
R _Y B	255, 157, 235
Decimal	16752107
CIE Lab	76.90, 47.38, -23.91
CIE LCh	77, 53.076, 333.221
Yxy	51.3721, 0.3338, 0.2511
Android (android.graphics.Color)	4294942187 (0xFFFF9DEB)
YUV	195.1940, 19.6244, 52.4499
Hunter-Lab	71.6743, 44.6474, -20.0698

Details

The XYZ color **68.2924, 51.3721, 84.9137** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.6021, 81.8632, 54.3628**, and the grayscale version is **51.8614, 54.5622, 59.4182**.

A 20% lighter version of the original color is **83.0842, 76.0685, 104.9114**, and **36.0129, 24.8255, 45.5415** is the 20% darker color. If you saturate the color by 10%, you get **63.6788, 43.3306, 79.7208**, and if you desaturate by 10%, it is **73.8304, 61.2270, 90.5246**.

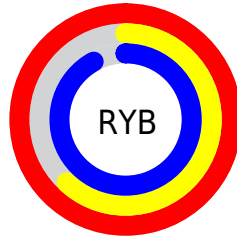
Distribution



Red (100%)

Green (62%)

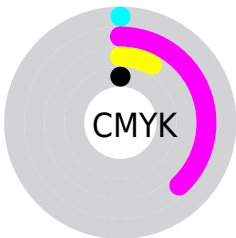
Blue (92%)



Red (100%)

Yellow (62%)

Blue (92%)

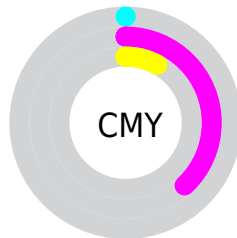


Cyan (0%)

Magenta (38%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2924, 51.3721, 84.9137 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 68.2924, 51.3721, 84.9137 by changing the saturation by 10% instead.


 68.2924, 51.3721,
84.9137


 68.2924, 51.3721,
84.9137

443.8918,
392.0077, 531.4796

 50.4102, 36.5048,
63.2203

 115.8100, 92.2046,
142.1257

 35.9586, 24.8243,
45.5773


 146.1760,
118.9385, 178.4814

 24.5722, 15.9462,
31.5662


181.4341,
150.3969, 220.5616

 15.8856, 9.4861,
20.7683

221.9495,
186.9640, 268.7849

 9.5336, 5.0596,
12.7651

268.0876,
229.0242, 323.5698

 5.1507, 2.2823,
7.1382

320.2138,

 2.3716, 0.7643,

276.9620, 385.3349

3.4689

378.6934,
331.1617, 454.4986

■ 0.8309, 0.0000,
1.3388

■ 0.0000, 0.0000,
0.0932

■ 68.2924, 51.3721,
84.9137

■ 68.2924, 51.3721,
84.9137

■ 63.6788, 43.3306,
79.7208

■ 73.8304, 61.2270,
90.5246

■ 59.9297, 36.9833,
74.9230

■ 80.3413, 72.9923,
96.5686

■ 56.9833, 32.2067,
70.4995

■ 87.8741, 86.7654,
103.0635

■ 54.7676, 28.8574,
66.4253

95.0500, 100.0000,
108.9000

■ 53.1980, 26.7662,
62.6713

■ 52.1557, 25.6959,
59.1969

■ 52.0145, 25.5698,
58.6680

Harmonies

Analogous

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



60.2558, 51.3721, 116.5368



68.2924, 51.3721, 84.9137



70.8905, 51.3721, 52.8689

Triad

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



68.2924, 51.3721, 84.9137



47.7448, 51.3721, 16.7608



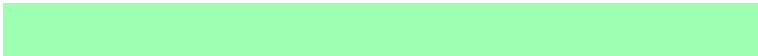
34.3200, 51.3721, 92.2641

Complementary

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



68.2924, 51.3721, 84.9137



57.6021, 81.8632, 54.3628

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.



31.8952, 51.3721, 59.1184



68.2924, 51.3721, 84.9137



38.9443, 51.3721, 21.1224

Square

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



68.2924, 51.3721, 84.9137



58.1079, 51.3721, 19.5318



33.4648, 51.3721, 34.4374



40.5922, 51.3721, 121.7081

Rectangle

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



68.2924, 51.3721, 84.9137



68.9315, 51.3721, 36.7516



33.4648, 51.3721, 34.4374



33.0704, 51.3721, 80.8479

Sweetspot

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



68.2935, 51.3742, 84.9147



85.0640, 81.6109, 100.6914



48.1495, 40.6367, 99.9137



17.9944, 17.0786, 21.3695



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.



68.2935, 51.3742, 84.9147



64.7179, 45.1240, 80.9452



62.2040, 48.9384, 52.8475



18.6245, 18.2331, 21.9056



27.2342, 13.3830, 30.9476



2.6899, 1.3184, 3.2146

Inverse Universe

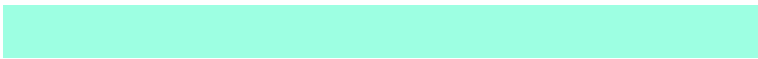
The Inverse Universe completely reimagines the original color for something new.



68.2935, 51.3742, 84.9147



64.7179, 45.1240, 80.9452



63.3387, 84.1579, 84.5711



18.6245, 18.2331, 21.9056



27.2342, 13.3830, 30.9476



2.6899, 1.3184, 3.2146

Previews

White Background



This preview shows how the XYZ color 68.2924, 51.3721, 84.9137 looks on a white background.

Color Contrast Check

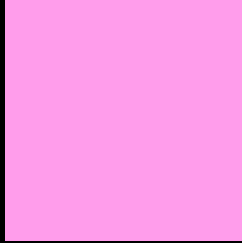
Large Text (above 18pt) WCAG AA × Fail

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 68.2924, 51.3721, 84.9137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

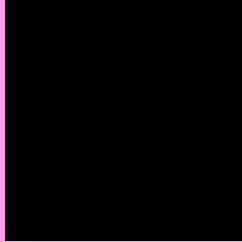
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2924, 51.3721, 84.9137

Background



This preview shows how black text looks on a background with the XYZ color 68.2924, 51.3721, 84.9137.



This preview shows how white text looks on a background with the XYZ color 68.2924, 51.3721,

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

68.2924, 51.3721, 84.9137

Protanopia

52.8278, 51.8444, 101.8304

Deuteranopia

52.8281, 51.6498, 82.0480



Tritanopia

61.0545, 51.2979, 50.3996

Trichromacy



Original Color

68.2924, 51.3721, 84.9137



Protanomaly

57.0225, 50.7781, 95.6027



Deuteranomaly

57.3360, 50.6323, 83.0950



Tritanomaly

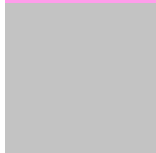
63.6017, 51.2772, 61.8037

Monochromacy



Original Color

68.2924, 51.3721, 84.9137



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 68.2924, 51.3721, 84.9137 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.2924, 51.3721, 84.9137 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, 235) }
```


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

```
.border{ border-color:rgb(255, 157, 235) }
```

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, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2924, 51.3721, 84.9137 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
157, 235) }
```

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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