

Converting Colors

XYZ(68.5139, 51.7366, 85.2299)

Have a look what the booklet for
XYZ(68.5139, 51.7366, 85.2299)
contains.

XYZ(68.4623, 51.7119, 84.9703)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.4623, 51.7119,
84.9703)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9EEB
RGB	255, 158, 235
RGB Percent	100%, 62%, 92%
CMY	0.0000, 0.3804, 0.0784
CMYK	0.00, 0.38, 0.08, 0.00
HSL	312°, 100%, 81%
HSV	312°, 38%, 100%
XYZ	68.4623, 51.7119, 84.9703
YIQ	195.7810, 33.0950, 44.5110

Conversions

Conversions Part 2

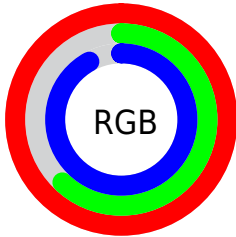
Format	Color
R _Y B	255, 158, 235
Decimal	16752363
CIE Lab	77.11, 46.87, -23.60
CIE LCh	77, 52.481, 333.274
Yxy	51.7119, 0.3337, 0.2521
Android (android.graphics.Color)	4294942443 (0xFFFF9EEB)
YUV	195.7810, 19.3350, 51.9351
Hunter-Lab	71.9110, 44.0953, -19.7196

Details

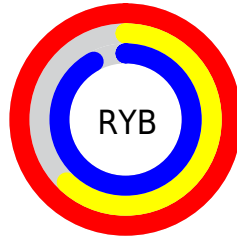
The XYZ color **68.4623, 51.7119, 84.9703** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.8981, 82.0043, 54.8990**, and the grayscale version is **52.2134, 54.9326, 59.8216**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **36.1130, 25.0256, 45.5749** is the 20% darker color. If you saturate the color by 10%, you get **63.8069, 43.5989, 79.7263**, and if you desaturate by 10%, it is **74.0447, 61.6428, 90.6354**.

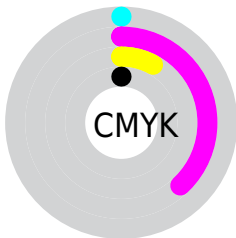
Distribution



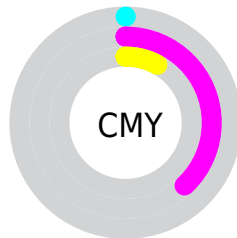
- Red (100%)
- Green (62%)
- Blue (92%)



- 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 68.4623, 51.7119, 84.9703 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 68.4623, 51.7119, 84.9703 by changing the saturation by 10% instead.


 68.4623, 51.7119,
84.9703


 68.4623, 51.7119,
84.9703


444.4833,
393.3234, 531.6718

 50.5490, 36.7755,
63.2668

 116.0515, 92.7062,
142.2055

 36.0694, 25.0337,
45.6147


 146.4582,
119.5329, 178.5743

 24.6581, 16.1022,
31.5954


181.7599,
151.0918, 220.6686

 15.9499, 9.5965,
20.7904

222.3222,
187.7673, 268.9069

 9.5793, 5.1322,
12.7811

268.5103,
229.9438, 323.7079

 5.1811, 2.3251,
7.1491

320.6896,

 2.3897, 0.7869,

278.0058, 385.4900

3.4756

379.2255,
332.3375, 454.6718

■ 0.8400, 0.0000,
1.3423

■ 0.0000, 0.0000,
0.0961

■ 68.4623, 51.7119,
84.9703

■ 68.4623, 51.7119,
84.9703

■ 63.8069, 43.5989,
79.7263

■ 74.0447, 61.6428,
90.6354

■ 60.0188, 37.1848,
74.8806

■ 80.6024, 73.4881,
96.7366

■ 57.0363, 32.3468,
70.4124

■ 88.1841, 87.3450,
103.2919

■ 54.7882, 28.9424,
66.2968

95.0500, 100.0000,
108.9000

■ 53.1902, 26.8036,
62.5049

■ 52.1280, 25.7022,
58.9976

■ 51.9507, 25.5443,
58.3318

Harmonies

Analogous

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



60.5066, 51.7119, 116.2426



68.4623, 51.7119, 84.9703



71.0236, 51.7119, 53.2103

Triad

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



68.4623, 51.7119, 84.9703



48.0576, 51.7119, 17.2103



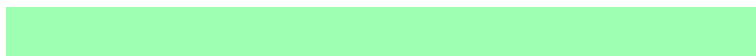
34.7281, 51.7119, 92.3615

Complementary

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



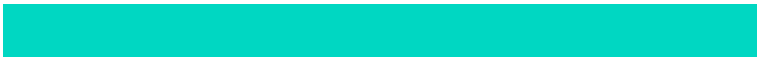
68.4623, 51.7119, 84.9703



57.8981, 82.0043, 54.8990

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.



32.3041, 51.7119, 59.5184



68.4623, 51.7119, 84.9703



39.3126, 51.7119, 21.6061

Square

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



68.4623, 51.7119, 84.9703



58.3421, 51.7119, 19.9832



33.8619, 51.7119, 34.9432



40.9790, 51.7119, 121.4312

Rectangle

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



68.4623, 51.7119, 84.9703



69.0764, 51.7119, 37.1830



33.8619, 51.7119, 34.9432



33.4804, 51.7119, 81.0650

Sweetspot

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



68.4634, 51.7140, 84.9713



85.8281, 83.0239, 101.3012



48.5017, 41.0705, 99.9788



18.1466, 17.3604, 21.4906



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.



68.4634, 51.7140, 84.9713



64.6830, 45.1100, 80.7616



62.4487, 49.3081, 53.2982



18.6228, 18.2324, 21.8966



27.2013, 13.3698, 30.7739



2.6870, 1.3172, 3.1992

Inverse Universe

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



68.4634, 51.7140, 84.9713



64.6830, 45.1100, 80.7616



63.5757, 84.2753, 84.7969



18.6228, 18.2324, 21.8966



27.2013, 13.3698, 30.7739



2.6870, 1.3172, 3.1992

Previews

White Background



This preview shows how the XYZ color 68.4623, 51.7119, 84.9703 looks on a white background.

Color Contrast Check

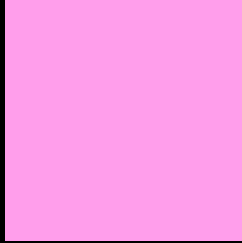
Large Text (above 18pt) WCAG AA × Fail

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 68.4623, 51.7119, 84.9703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

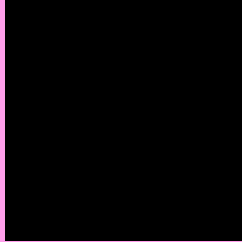
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4623, 51.7119, 84.9703

Background



This preview shows how black text looks on a background with the XYZ color 68.4623, 51.7119, 84.9703.



This preview shows how white text looks on a background with the XYZ color 68.4623, 51.7119,

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

68.4623, 51.7119, 84.9703

Protanopia

53.0465, 51.9571, 101.8406

Deuteranopia

53.2885, 52.2010, 82.1301



Tritanopia

61.5954, 51.8519, 50.4780

Trichromacy



Original Color

68.4623, 51.7119, 84.9703



Protanomaly

57.0225, 50.7781, 95.6027



Deuteranomaly

57.8224, 51.1730, 83.1737



Tritanomaly

63.7814, 51.6365, 61.8635

Monochromacy



Original Color

68.4623, 51.7119, 84.9703



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

56.9761, 52.8608, 68.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4623, 51.7119, 84.9703 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, 158, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.4623, 51.7119, 84.9703 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, 158, 235) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4623, 51.7119, 84.9703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 235) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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