

Converting Colors

XYZ(68.1843, 52.3318, 81.2526)

Have a look what the booklet for
XYZ(68.1843, 52.3318, 81.2526)
contains.

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Color

**XYZ(68.2678, 52.4629,
81.3912)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA1E6
RGB	255, 161, 230
RGB Percent	100%, 63%, 90%
CMY	0.0000, 0.3686, 0.0980
CMYK	0.00, 0.37, 0.10, 0.00
HSL	316°, 100%, 82%
HSV	316°, 37%, 100%
XYZ	68.2678, 52.4629, 81.3912
YIQ	196.9720, 33.8750, 41.3870

Conversions

Conversions Part 2

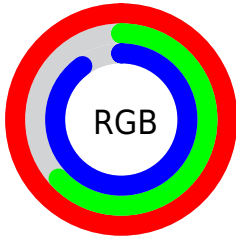
Format	Color
R _Y B	255, 161, 230
Decimal	16753126
CIE Lab	77.56, 44.52, -20.21
CIE LCh	78, 48.887, 335.586
Yxy	52.4629, 0.3378, 0.2596
Android (android.graphics.Color)	4294943206 (0xFFFFA1E6)
YUV	196.9720, 16.2828, 50.8906
Hunter-Lab	72.4313, 41.4848, -15.9224

Details

The XYZ color **68.2678, 52.4629, 81.3912** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **59.3226, 82.6431, 59.2823**, and the grayscale version is **52.9458, 55.7031, 60.6607**.

A 20% lighter version of the original color is **84.1029, 78.1057, 105.2510**, and **35.9236, 25.4417, 43.0618** is the 20% darker color. If you saturate the color by 10%, you get **63.3236, 44.0690, 75.1356**, and if you desaturate by 10%, it is **74.1601, 62.6932, 88.1470**.

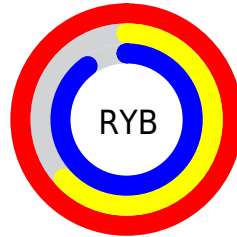
Distribution



Red (100%)

Green (63%)

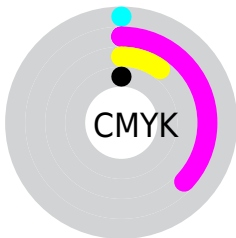
Blue (90%)



Red (100%)

Yellow (63%)

Blue (90%)

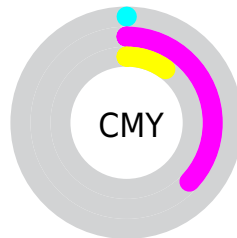


Cyan (0%)

Magenta (37%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2678, 52.4629, 81.3912 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 68.2678, 52.4629, 81.3912 by changing the saturation by 10% instead.


 68.2678, 52.4629,
81.3912


 68.2678, 52.4629,
81.3912


443.8061,
396.2211, 519.4389

 50.3901, 37.3742,
60.3310

 115.7750, 93.8136,
137.1489

 35.9425, 25.4973,
43.2584

 146.1352,
120.8443, 172.6835

 24.5597, 16.4480,
29.7550


181.3869,
152.6245, 213.8799

 15.8763, 9.8417,
19.4022

221.8955,
189.5385, 261.1568

 9.5270, 5.2941,
11.7815

268.0264,
231.9708, 314.9325

 5.1463, 2.4209,
6.4744

320.1449,

 2.3690, 0.8366,

280.3057, 375.6258

3.0622

378.6163,
334.9277, 443.6551

■ 0.8296, 0.0000,
1.1265

■ 0.0000, 0.0000,
0.0000

■ 68.2678, 52.4629,
81.3912

■ 68.2678, 52.4629,
81.3912

■ 63.3236, 44.0690,
75.1356

■ 74.1601, 62.6932,
88.1470

■ 59.2678, 37.3937,
69.3562

■ 81.0482, 74.8553,
95.4190

■ 56.0396, 32.3154,
64.0314

■ 88.9808, 89.0458,
103.2260

■ 53.5686, 28.6943,
59.1356

95.0500, 100.0000,
108.9000

■ 51.7721, 26.3657,
54.6390

■ 50.5457, 25.1213,
50.5048

■ 50.2288, 24.8555,
49.2646

Harmonies

Analogous

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



61.1797, 52.4629, 110.6259



68.2678, 52.4629, 81.3912



70.1784, 52.4629, 52.2150

Triad

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



68.2678, 52.4629, 81.3912



48.1198, 52.4629, 19.4566



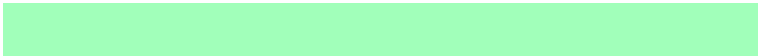
36.5226, 52.4629, 92.9907

Complementary

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



68.2678, 52.4629, 81.3912



59.3226, 82.6431, 59.2823

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.



33.9057, 52.4629, 62.3297



68.2678, 52.4629, 81.3912



40.0381, 52.4629, 24.4408

Square

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



68.2678, 52.4629, 81.3912



57.7418, 52.4629, 21.6810



35.1068, 52.4629, 38.2332



42.7382, 52.4629, 118.6686

Rectangle

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



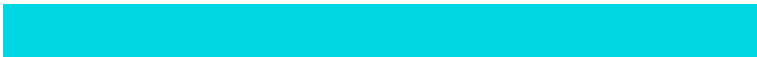
68.2678, 52.4629, 81.3912



68.0746, 52.4629, 37.5008



35.1068, 52.4629, 38.2332



35.2311, 52.4629, 82.6173

Sweetspot

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



68.2690, 52.4651, 81.3923



85.5673, 82.9196, 99.9282



50.6842, 42.9646, 100.2294



18.0842, 17.3354, 21.1619



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.



68.2690, 52.4651, 81.3923



64.6448, 46.2898, 76.8755



62.6907, 50.2337, 52.0171



18.5743, 18.2130, 21.6414



26.3108, 13.0136, 26.0850



2.6071, 1.2852, 2.7783

Inverse Universe

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



68.2690, 52.4651, 81.3923



64.6448, 46.2898, 76.8755



64.9539, 84.8956, 88.9363



18.5743, 18.2130, 21.6414



26.3108, 13.0136, 26.0850



2.6071, 1.2852, 2.7783

Previews

White Background



This preview shows how the XYZ color 68.2678, 52.4629, 81.3912 looks on a white background.

Color Contrast Check

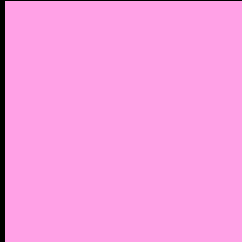
Large Text (above 18pt) WCAG AA × Fail

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 68.2678, 52.4629, 81.3912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

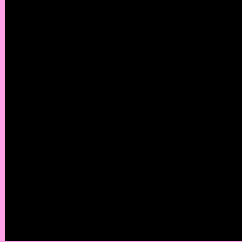
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2678, 52.4629, 81.3912

Background



This preview shows how black text looks on a background with the XYZ color 68.2678, 52.4629, 81.3912.



This preview shows how white text looks on a background with the XYZ color 68.2678, 52.4629,

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

68.2678, 52.4629, 81.3912

Protanopia

53.5733, 52.9591, 97.8410

Deuteranopia

53.8666, 52.5790, 78.5438



Tritanopia

61.9889, 52.3081, 51.6290

Trichromacy



Original Color

68.2678, 52.4629, 81.3912



Protanomaly

57.4746, 51.6904, 91.7420



Deuteranomaly

58.4008, 52.1386, 79.6587



Tritanomaly

64.0277, 52.3168, 61.3671

Monochromacy



Original Color

68.2678, 52.4629, 81.3912



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

57.5626, 53.7899, 67.6702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2678, 52.4629, 81.3912 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, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 230)  
}
```

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, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 230) }
```

Border

The CSS property to change the border of an element to XYZ 68.2678, 52.4629, 81.3912 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, 161, 230) }
```


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

```
.border{ border-color:rgb(255, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2678, 52.4629, 81.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 230) }
```

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

```
.background{ background-color: rgb(255,  
161, 230) }
```

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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