

Converting Colors

XYZ(68.1428, 53.1224, 78.5455)

Have a look what the booklet for XYZ(68.1428, 53.1224, 78.5455) contains.

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Color

**XYZ(68.2429, 53.3019,
78.6430)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA4E2
RGB	255, 164, 226
RGB Percent	100%, 64%, 89%
CMY	0.0000, 0.3568, 0.1137
CMYK	0.00, 0.36, 0.11, 0.00
HSL	319°, 100%, 82%
HSV	319°, 36%, 100%
XYZ	68.2429, 53.3019, 78.6430
YIQ	198.2770, 34.3340, 38.5740

Conversions

Conversions Part 2

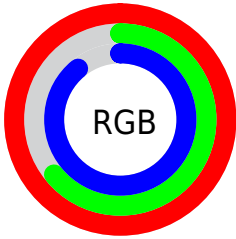
Format	Color
R_{YB}	255, 164, 226
Decimal	16753890
CIE _{Lab}	78.05, 42.32, -17.28
CIE _{LCh}	78, 45.716, 337.785
Yxy	53.3019, 0.3409, 0.2663
Android (android.graphics.Color)	4294943970 (0xFFFFA4E2)
YUV	198.2770, 13.6674, 49.7461
Hunter-Lab	73.0082, 39.0850, -12.7604

Details

The XYZ color **68.2429, 53.3019, 78.6430** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.6973, 83.2637, 63.3275**, and the grayscale version is **53.7510, 56.5503, 61.5832**.

A 20% lighter version of the original color is **84.8832, 79.6664, 105.5111**, and **35.9526, 25.9625, 41.6444** is the 20% darker color. If you saturate the color by 10%, you get **63.0397, 44.6379, 71.5369**, and if you desaturate by 10%, it is **74.4163, 63.8212, 86.3346**.

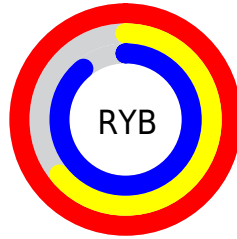
Distribution



Red (100%)

Green (64%)

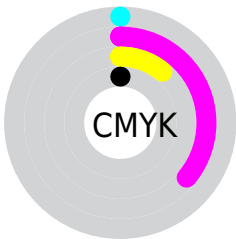
Blue (89%)



Red (100%)

Yellow (64%)

Blue (89%)

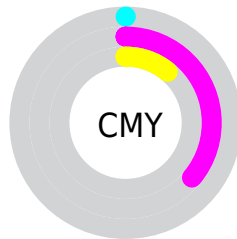


Cyan (0%)

Magenta (36%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2429, 53.3019, 78.6430 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 68.2429, 53.3019, 78.6430 by changing the saturation by 10% instead.


 68.2429, 53.3019,
78.6430


 68.2429, 53.3019,
78.6430


443.7194,
399.4423, 509.9335

 50.3698, 38.0438,
58.0828


 115.7396, 95.0485,
133.2503

 35.9263, 26.0167,
41.4600

 146.0938,
122.3057, 168.1344

 24.5471, 16.8361,
28.3563


181.3391,
154.3316, 208.6301

 15.8669, 10.1177,
18.3531

221.8409,
191.5103, 255.1562

 9.5203, 5.4771,
11.0317

267.9644,
234.2263, 308.1310

 5.1419, 2.5298,
5.9737

320.0751,

 2.3664, 0.8915,

282.8641, 367.9731

2.7606

378.5383,
337.8080, 435.1011

■ 0.8283, 0.0000,
0.9737

■ 0.0000, 0.0000,
0.0000

■ 68.2429, 53.3019,
78.6430

■ 68.2429, 53.3019,
78.6430

■ 63.0397, 44.6379,
71.5369

■ 74.4163, 63.8212,
86.3346

■ 58.7473, 37.7122,
64.9909

■ 81.6072, 76.2901,
94.6291

■ 55.3052, 32.4050,
58.9820

■ 89.8644, 90.8047,
103.5466

■ 52.6439, 28.5783,
53.4832

95.0500, 100.0000,
108.9000

■ 50.6821, 26.0709,
48.4637

■ 49.3196, 24.6834,
43.8860

■ 48.8540, 24.3056,
42.0249

Harmonies

Analogous

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



61.9053, 53.3019, 106.1143



68.2429, 53.3019, 78.6430



69.6109, 53.3019, 51.6382

Triad

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



68.2429, 53.3019, 78.6430



48.3754, 53.3019, 21.7234



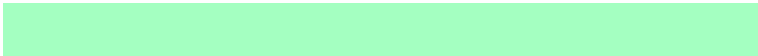
38.2879, 53.3019, 93.6054

Complementary

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



68.2429, 53.3019, 78.6430



60.6973, 83.2637, 63.3275

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.



35.5074, 53.3019, 64.9430



68.2429, 53.3019, 78.6430



40.8695, 53.3019, 27.2454

Square

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



68.2429, 53.3019, 78.6430



57.4220, 53.3019, 23.4232



36.3938, 53.3019, 41.3865



44.4543, 53.3019, 116.3702

Rectangle

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



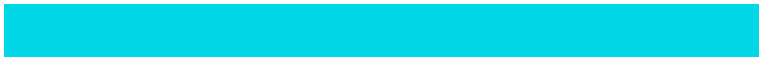
68.2429, 53.3019, 78.6430



67.3879, 53.3019, 38.0305



36.3938, 53.3019, 41.3865



36.9613, 53.3019, 84.0571

Sweetspot

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



68.2442, 53.3042, 78.6441



85.3393, 82.8284, 98.7272



53.2732, 45.0870, 100.5026



18.0297, 17.3136, 20.8747



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.



68.2442, 53.3042, 78.6441



64.3446, 46.7882, 73.3883



62.8251, 51.1365, 50.1077



18.5319, 18.1961, 21.4180



25.5982, 12.7286, 22.3326



2.5422, 1.2592, 2.4365

Inverse Universe

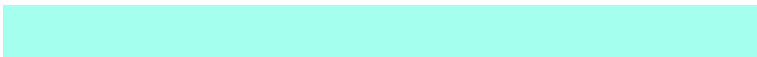
The Inverse Universe completely reimagines the original color for something new.



68.2442, 53.3042, 78.6441



64.3446, 46.7882, 73.3883



66.5505, 85.6049, 94.1498



18.5319, 18.1961, 21.4180



25.5982, 12.7286, 22.3326



2.5422, 1.2592, 2.4365

Previews

White Background



This preview shows how the XYZ color 68.2429, 53.3019, 78.6430 looks on a white background.

Color Contrast Check

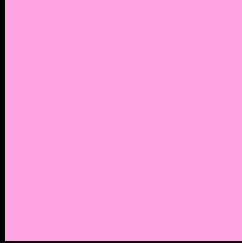
Large Text (above 18pt) WCAG AA × Fail

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 68.2429, 53.3019, 78.6430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

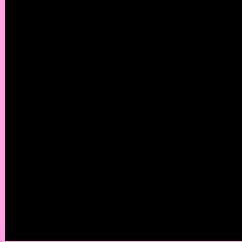
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2429, 53.3019, 78.6430

Background



This preview shows how black text looks on a background with the XYZ color 68.2429, 53.3019, 78.6430.



This preview shows how white text looks on a background with the XYZ color 68.2429, 53.3019,

78.6430.

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

68.2429, 53.3019, 78.6430

Protanopia

53.9346, 53.5575, 93.8812

Deuteranopia

54.9356, 53.8112, 76.5984



Tritanopia

62.9338, 53.3318, 52.8760

Trichromacy



Original Color

68.2429, 53.3019, 78.6430



Protanomaly

57.6886, 52.4862, 87.9792



Deuteranomaly

58.8540, 53.0303, 76.9460



Tritanomaly

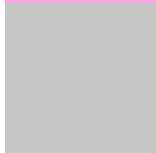
64.7582, 53.2415, 61.5071

Monochromacy



Original Color

68.2429, 53.3019, 78.6430



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.1575, 54.7319, 67.1736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2429, 53.3019, 78.6430 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, 164, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 226)  
}
```

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, 164, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.2429, 53.3019, 78.6430 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, 164, 226) }
```


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

```
.border{ border-color:rgb(255, 164, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2429, 53.3019, 78.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 226) }
```

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

```
.background{ background-color: rgb(255,  
164, 226) }
```

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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