

Converting Colors

XYZ(80.5091, 59.8648, 79.1343)

Have a look what the booklet for
XYZ(80.5091, 59.8648, 79.1343)
contains.

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Color

**XYZ(68.4226, 53.6613,
78.7029)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA5E2
RGB	255, 165, 226
RGB Percent	100%, 65%, 89%
CMY	0.0000, 0.3529, 0.1137
CMYK	0.00, 0.35, 0.11, 0.00
HSL	319°, 100%, 82%
HSV	319°, 35%, 100%
XYZ	68.4226, 53.6613, 78.7029
YIQ	198.8640, 34.0590, 38.0510

Conversions

Conversions Part 2

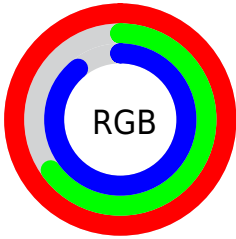
Format	Color
R _Y B	255, 165, 226
Decimal	16754146
CIE Lab	78.26, 41.81, -16.97
CIE LCh	78, 45.118, 337.911
Yxy	53.6613, 0.3408, 0.2673
Android (android.graphics.Color)	4294944226 (0xFFFFA5E2)
YUV	198.8640, 13.3780, 49.2313
Hunter-Lab	73.2539, 38.5332, -12.4226

Details

The XYZ color **68.4226, 53.6613, 78.7029** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.0166, 83.4153, 63.9269**, and the grayscale version is **54.1105, 56.9285, 61.9951**.

A 20% lighter version of the original color is **85.1465, 80.1929, 105.5988**, and **36.0611, 26.1795, 41.6806** is the 20% darker color. If you saturate the color by 10%, you get **63.1727, 44.9229, 71.5230**, and if you desaturate by 10%, it is **74.6459, 64.2597, 86.4753**.

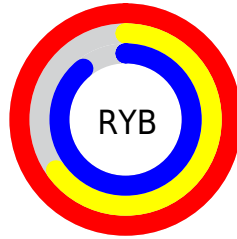
Distribution



Red (100%)

Green (65%)

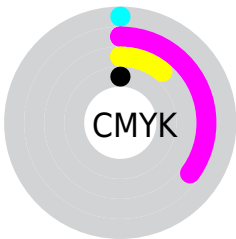
Blue (89%)



Red (100%)

Yellow (65%)

Blue (89%)

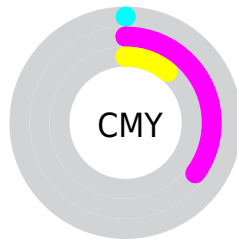


Cyan (0%)

Magenta (35%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4226, 53.6613, 78.7029 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 68.4226, 53.6613, 78.7029 by changing the saturation by 10% instead.


 68.4226, 53.6613,
78.7029


 68.4226, 53.6613,
78.7029


444.3451,
400.8171, 510.1417

 50.5165, 38.3309,
58.1317


 115.9951, 95.5768,
133.3354

 36.0435, 26.2396,
41.4991


 146.3922,
122.9306, 168.2338

 24.6380, 17.0030,
28.3867


181.6838,
155.0612, 208.7449

 15.9349, 10.2366,
18.3758

222.2351,
192.3527, 255.2874

 9.5686, 5.5561,
11.0479

268.4116,
235.1897, 308.2798

 5.1740, 2.5771,
5.9845

320.5785,

 2.3855, 0.9152,

283.9565, 368.1407

2.7670

379.1012,
339.0375, 435.2884

■ 0.8379, 0.0000,
0.9769

■ 0.0000, 0.0000,
0.0000

■ 68.4226, 53.6613,
78.7029

■ 68.4226, 53.6613,
78.7029

■ 63.1727, 44.9229,
71.5230

■ 74.6459, 64.2597,
86.4753

■ 58.8370, 37.9276,
64.9101

■ 81.8899, 76.8119,
94.8574

■ 55.3553, 32.5564,
58.8410

■ 90.2031, 91.4138,
103.8697

■ 52.6584, 28.6719,
53.2888

95.0500, 100.0000,
108.9000

■ 50.6655, 26.1141,
48.2227

■ 49.2774, 24.6854,
43.6055

■ 48.7664, 24.2706,
41.5636

Harmonies

Analogous

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



62.1718, 53.6613, 105.8415



68.4226, 53.6613, 78.7029



69.7513, 53.6613, 51.9831

Triad

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



68.4226, 53.6613, 78.7029



48.7004, 53.6613, 22.2688



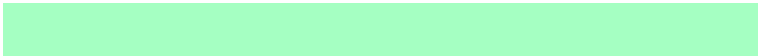
38.7385, 53.6613, 93.7168

Complementary

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



68.4226, 53.6613, 78.7029



61.0166, 83.4153, 63.9269

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.



35.9575, 53.6613, 65.3848



68.4226, 53.6613, 78.7029



41.2597, 53.6613, 27.8316

Square

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



68.4226, 53.6613, 78.7029



57.6632, 53.6613, 23.9431



36.8241, 53.6613, 41.9735



44.8773, 53.6613, 116.1095

Rectangle

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



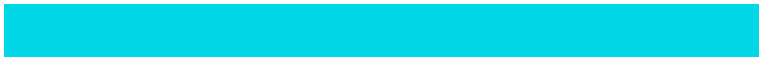
68.4226, 53.6613, 78.7029



67.5392, 53.6613, 38.4817



36.8241, 53.6613, 41.9735



37.4143, 53.6613, 84.2943

Sweetspot

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



68.4239, 53.6636, 78.7040



85.3240, 82.8223, 98.6469



53.6274, 45.5364, 100.5707



18.0260, 17.3121, 20.8555



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.



68.4239, 53.6636, 78.7040



64.7973, 47.6017, 73.8229



63.0887, 51.5295, 50.6094



18.5290, 18.1949, 21.4030



25.5528, 12.7104, 22.0932



2.5380, 1.2576, 2.4145

Inverse Universe

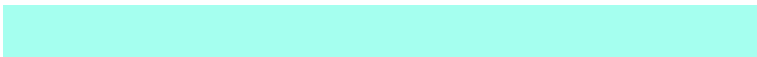
The Inverse Universe completely reimagines the original color for something new.



68.4239, 53.6636, 78.7040



64.7973, 47.6017, 73.8229



66.7847, 85.7226, 94.3017



18.5290, 18.1949, 21.4030



25.5528, 12.7104, 22.0932



2.5380, 1.2576, 2.4145

Previews

White Background



This preview shows how the XYZ color 68.4226, 53.6613, 78.7029 looks on a white background.

Color Contrast Check

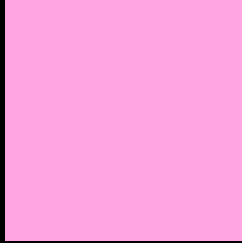
Large Text (above 18pt) WCAG AA × Fail

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 68.4226, 53.6613, 78.7029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

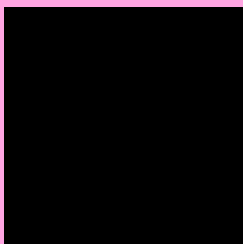
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4226, 53.6613, 78.7029

Background



This preview shows how black text looks on a background with the XYZ color 68.4226, 53.6613, 78.7029.



This preview shows how white text looks on a background with the XYZ color 68.4226, 53.6613,

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

68.4226, 53.6613, 78.7029

Protanopia

54.2348, 54.0547, 93.1631

Deuteranopia

55.2018, 53.9485, 76.6109



Tritanopia

63.2308, 53.7563, 53.4978

Trichromacy



Original Color

68.4226, 53.6613, 78.7029



Protanomaly

58.0264, 52.9802, 87.2886



Deuteranomaly

59.1557, 53.1859, 76.9601



Tritanomaly

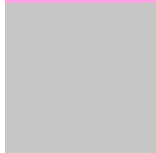
65.0622, 53.6619, 62.1870

Monochromacy



Original Color

68.4226, 53.6613, 78.7029



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

58.4924, 55.2042, 67.8942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4226, 53.6613, 78.7029 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, 165, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 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, 165, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.4226, 53.6613, 78.7029 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, 165, 226) }
```


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

```
.border{ border-color:rgb(255, 165, 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, 165, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4226, 53.6613, 78.7029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 226) }
```

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

```
.background{ background-color: rgb(255,  
165, 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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