

Converting Colors

XYZ(68.0417, 52.9376, 78.4579)

Have a look what the booklet for
XYZ(68.0417, 52.9376, 78.4579)
contains.

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Color

**XYZ(68.0647, 52.9454,
78.5836)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3E2
RGB	255, 163, 226
RGB Percent	100%, 64%, 89%
CMY	0.0000, 0.3608, 0.1137
CMYK	0.00, 0.36, 0.11, 0.00
HSL	319°, 100%, 82%
HSV	319°, 36%, 100%
XYZ	68.0647, 52.9454, 78.5836
YIQ	197.6900, 34.6090, 39.0970

Conversions

Conversions Part 2

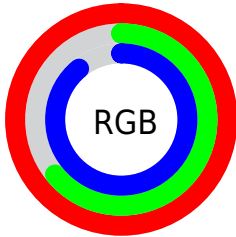
Format	Color
R _Y B	255, 163, 226
Decimal	16753634
CIE Lab	77.84, 42.84, -17.60
CIE LCh	78, 46.314, 337.663
Yxy	52.9454, 0.3410, 0.2653
Android (android.graphics.Color)	4294943714 (0xFFFFA3E2)
YUV	197.6900, 13.9568, 50.2609
Hunter-Lab	72.7636, 39.6366, -13.0978

Details

The XYZ color **68.0647, 52.9454, 78.5836** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.3805, 83.1132, 62.7322**, and the grayscale version is **53.3930, 56.1736, 61.1730**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **35.8453, 25.7479, 41.6087** is the 20% darker color. If you saturate the color by 10%, you get **62.9078, 44.3556, 71.5499**, and if you desaturate by 10%, it is **74.1885, 63.3859, 86.1960**.

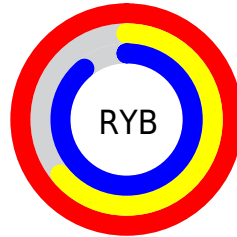
Distribution



Red (100%)

Green (64%)

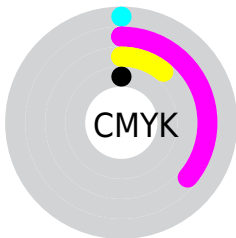
Blue (89%)



Red (100%)

Yellow (64%)

Blue (89%)

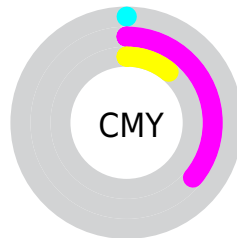


Cyan (0%)

Magenta (36%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0647, 52.9454, 78.5836 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 68.0647, 52.9454, 78.5836 by changing the saturation by 10% instead.


 68.0647, 52.9454,
78.5836


 68.0647, 52.9454,
78.5836

443.0983,
398.0756, 509.7269

 50.2242, 37.7592,
58.0342


 115.4861, 94.5240,
133.1658

 35.8101, 25.7958,
41.4213


 145.7977,
121.6852, 168.0358

 24.4570, 16.6710,
28.3262


180.9972,
153.6069, 208.5163

 15.7996, 10.0002,
18.3305

221.4497,
190.6733, 255.0260

 9.4724, 5.3991,
11.0157

267.5208,
233.2691, 307.9833

 5.1101, 2.4833,
5.9631

319.5756,

 2.3474, 0.8682,

281.7784, 367.8069

2.7542

377.9797,
336.5858, 434.9152

■ 0.8188, 0.0000,
0.9705

■ 0.0000, 0.0000,
0.0000

■ 68.0647, 52.9454,
78.5836

■ 68.0647, 52.9454,
78.5836

■ 62.9078, 44.3556,
71.5499

■ 74.1885, 63.3859,
86.1960

■ 58.6583, 37.4991,
65.0698

■ 81.3268, 75.7717,
94.4045

■ 55.2555, 32.2556,
59.1201

■ 89.5284, 90.1992,
103.2293

■ 52.6296, 28.4863,
53.6739

95.0500, 100.0000,
108.9000

■ 50.6987, 26.0291,
48.7003

■ 49.3615, 24.6824,
44.1617

■ 48.9403, 24.3401,
42.4791

Harmonies

Analogous

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



61.6410, 52.9454, 106.3878



68.0647, 52.9454, 78.5836



69.4717, 52.9454, 51.2957

Triad

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



68.0647, 52.9454, 78.5836



48.0529, 52.9454, 21.1883



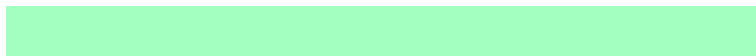
37.8423, 52.9454, 93.4959

Complementary

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



68.0647, 52.9454, 78.5836



60.3805, 83.1132, 62.7322

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.



35.0622, 52.9454, 64.5053



68.0647, 52.9454, 78.5836



40.4828, 52.9454, 26.6692

Square

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



68.0647, 52.9454, 78.5836



57.1824, 52.9454, 22.9121



35.9679, 52.9454, 40.8069



44.0354, 52.9454, 116.6324

Rectangle

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



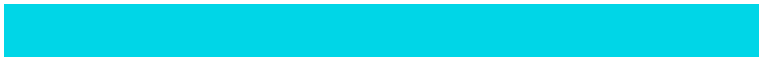
68.0647, 52.9454, 78.5836



67.2377, 52.9454, 37.5839



35.9679, 52.9454, 40.8069



36.5134, 52.9454, 83.8221

Sweetspot

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



68.0659, 52.9476, 78.5847



85.3542, 82.8343, 98.8058



52.5348, 44.4417, 100.4170



18.0332, 17.3150, 20.8935



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.



68.0659, 52.9476, 78.5847



64.3950, 46.8083, 73.6537



62.7204, 50.8094, 50.4357



18.5347, 18.1972, 21.4326



25.6430, 12.7465, 22.5683



2.5463, 1.2609, 2.4581

Inverse Universe

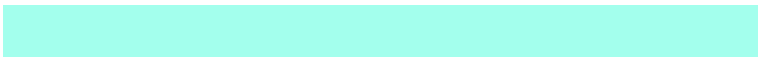
The Inverse Universe completely reimagines the original color for something new.



68.0659, 52.9476, 78.5847



64.3950, 46.8083, 73.6537



66.0934, 85.3983, 92.8157



18.5347, 18.1972, 21.4326



25.6430, 12.7465, 22.5683



2.5463, 1.2609, 2.4581

Previews

White Background



This preview shows how the XYZ color 68.0647, 52.9454, 78.5836 looks on a white background.

Color Contrast Check

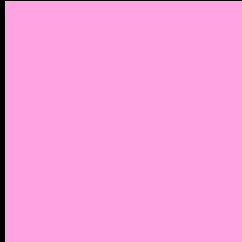
Large Text (above 18pt) WCAG AA × Fail

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 68.0647, 52.9454, 78.5836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

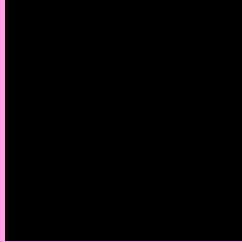
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0647, 52.9454, 78.5836

Background



This preview shows how black text looks on a background with the XYZ color 68.0647, 52.9454, 78.5836.



This preview shows how white text looks on a background with the XYZ color 68.0647, 52.9454,

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

68.0647, 52.9454, 78.5836

Protanopia

53.7026, 53.4379, 93.8703

Deuteranopia

54.3231, 53.1927, 75.8107



Tritanopia

62.6390, 52.9105, 52.2587

Trichromacy



Original Color

68.0647, 52.9454, 78.5836



Protanomaly

57.6886, 52.4862, 87.9792



Deuteranomaly

58.6528, 52.6280, 76.8789



Tritanomaly

64.4563, 52.8242, 60.8317

Monochromacy



Original Color

68.0647, 52.9454, 78.5836



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

57.9475, 54.3121, 67.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0647, 52.9454, 78.5836 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, 163, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 226) }
```

Border

The CSS property to change the border of an element to XYZ 68.0647, 52.9454, 78.5836 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, 163, 226) }
```


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

```
.border{ border-color:rgb(255, 163, 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, 163, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0647, 52.9454, 78.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 226) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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