

Converting Colors

XYZ(70.2518, 57.1579, 79.8116)

Have a look what the booklet for
XYZ(70.2518, 57.1579, 79.8116)
contains.

XYZ(70.2412, 57.0782, 79.9881)	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(70.2412, 57.0782,
79.9881)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAEE3
RGB	255, 174, 227
RGB Percent	100%, 68%, 89%
CMY	0.0000, 0.3176, 0.1098
CMYK	0.00, 0.32, 0.11, 0.00
HSL	321°, 100%, 84%
HSV	321°, 32%, 100%
XYZ	70.2412, 57.0782, 79.9881
YIQ	204.2610, 31.2630, 33.6550

Conversions

Conversions Part 2

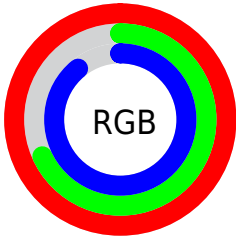
Format	Color
R_{YB}	255, 174, 227
Decimal	16756451
CIE _{Lab}	80.22, 37.29, -14.56
CIE _{LCh}	80, 40.036, 338.675
Yxy	57.0782, 0.3388, 0.2753
Android (android.graphics.Color)	4294946531 (0xFFFFAEE3)
YUV	204.2610, 11.2103, 44.4981
Hunter-Lab	75.5501, 33.7441, -9.8877

Details

The XYZ color **70.2412, 57.0782, 79.9881** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.8782, 84.7839, 68.8785**, and the grayscale version is **57.4783, 60.4717, 65.8537**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **37.1888, 28.2818, 42.5286** is the 20% darker color. If you saturate the color by 10%, you get **64.5887, 47.6706, 72.2544**, and if you desaturate by 10%, it is **76.8937, 68.3856, 88.3639**.

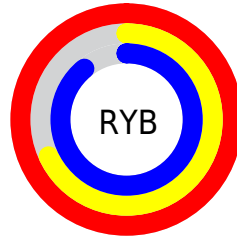
Distribution



Red (100%)

Green (68%)

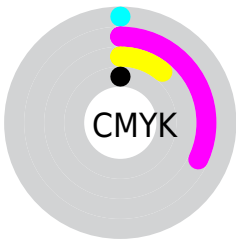
Blue (89%)



Red (100%)

Yellow (68%)

Blue (89%)

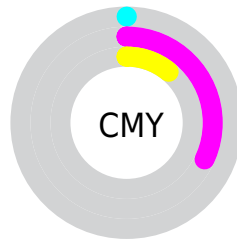


Cyan (0%)

Magenta (32%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2412, 57.0782, 79.9881 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 70.2412, 57.0782, 79.9881 by changing the saturation by 10% instead.


 70.2412, 57.0782,
79.9881

 70.2412, 57.0782,
79.9881


450.6497,
413.7423, 514.5984

 52.0035, 41.0680,
59.1825


 118.5771,
100.5793, 135.1602

 37.2321, 28.3722,
42.3390

149.4059,
128.8390, 170.3638

 25.5618, 18.6065,
29.0393


185.1626,
161.9506, 211.2038

 16.6271, 11.3863,
18.8647

226.2123,
200.2987, 258.0987

 10.0626, 6.3273,
11.3967

272.9205,
244.2675, 311.4671

 5.5031, 3.0451,
6.2168


325.6526,

 2.5831, 1.1553,


294.2414, 371.7275


2.9065

384.7739,
350.6049, 439.2984


 0.9374, 0.0247,
1.0471


 0.0000, 0.0000,
0.0000

 70.2412, 57.0782,
79.9881


 70.2412, 57.0782,
79.9881


 64.5887, 47.6706,
72.2544


 76.8937, 68.3856,
88.3639

 59.8783, 40.0493,
65.1369

 84.5921, 81.6838,
97.3995

 56.0520, 34.0994,
58.6122

 93.3840, 97.0666,
107.1157

 53.0434, 29.6898,
52.6535

95.0500, 100.0000,
108.9000

■ 50.7763, 26.6696,
47.2305

■ 49.1590, 24.8568,
42.3076

■ 48.2010, 24.0444,
38.5863

Harmonies

Analogous

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



64.6727, 57.0782, 104.3078



70.2412, 57.0782, 79.9881



71.3108, 57.0782, 55.6059

Triad

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



70.2412, 57.0782, 79.9881



51.9158, 57.0782, 27.4371



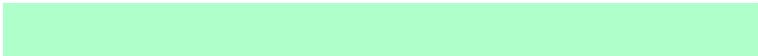
42.8872, 57.0782, 94.7182

Complementary

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



70.2412, 57.0782, 79.9881



63.8782, 84.7839, 68.8785

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.



40.1554, 57.0782, 69.1851



70.2412, 57.0782, 79.9881



45.0139, 57.0782, 33.2245

Square

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



70.2412, 57.0782, 79.9881



60.1671, 57.0782, 28.9517



40.8929, 57.0782, 47.1805



48.7362, 57.0782, 114.1891

Rectangle

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



70.2412, 57.0782, 79.9881



69.2348, 57.0782, 42.9622



40.8929, 57.0782, 47.1805



41.6020, 57.0782, 86.3348

Sweetspot

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



70.2425, 57.0806, 79.9893



86.0608, 84.2409, 99.0618



57.2757, 49.9126, 101.2231



18.1693, 17.5934, 20.9192



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.



70.2425, 57.0806, 79.9893



66.6021, 50.9951, 75.0908



65.4011, 55.1440, 54.4946



18.5103, 18.1874, 21.3042



25.2592, 12.5930, 20.5471



2.5109, 1.2467, 2.2719

Inverse Universe

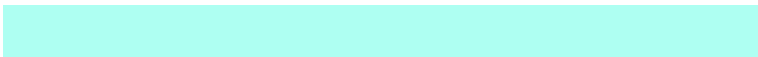
The Inverse Universe completely reimagines the original color for something new.



70.2425, 57.0806, 79.9893



66.6021, 50.9951, 75.0908



69.1691, 86.9002, 96.7398



18.5103, 18.1874, 21.3042



25.2592, 12.5930, 20.5471



2.5109, 1.2467, 2.2719

Previews

White Background



This preview shows how the XYZ color 70.2412, 57.0782, 79.9881 looks on a white background.

Color Contrast Check

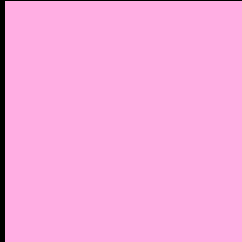
Large Text (above 18pt) WCAG AA × Fail

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 70.2412, 57.0782, 79.9881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

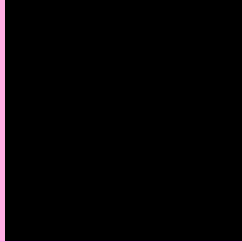
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2412, 57.0782, 79.9881

Background



This preview shows how black text looks on a background with the XYZ color 70.2412, 57.0782, 79.9881.



This preview shows how white text looks on a background with the XYZ color 70.2412, 57.0782,

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

70.2412, 57.0782, 79.9881

Protanopia

57.3580, 57.6780, 92.9039

Deuteranopia

58.6235, 57.3212, 77.7863



Tritanopia

65.8425, 57.0468, 58.5798

Trichromacy



Original Color

70.2412, 57.0782, 79.9881



Protanomaly

60.9242, 56.6558, 87.8454



Deuteranomaly

62.2762, 56.9300, 78.2273



Tritanomaly

67.2059, 56.9925, 65.8510

Monochromacy



Original Color

70.2412, 57.0782, 79.9881



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.3851, 58.5814, 70.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2412, 57.0782, 79.9881 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, 174, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 227)  
}
```

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, 174, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 227) }
```

Border

The CSS property to change the border of an element to XYZ 70.2412, 57.0782, 79.9881 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, 174, 227) }
```


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

```
.border{ border-color:rgb(255, 174, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 174, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2412, 57.0782, 79.9881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 227) }
```

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

```
.background{ background-color: rgb(255,  
174, 227) }
```

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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