

Converting Colors

XYZ(107.8809, 76.6550,
83.9217)

Have a look what the booklet for
XYZ(107.8809, 76.6550, 83.9217)
contains.

XYZ(70.8529, 57.6331, 82.2529)	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(70.8529, 57.6331,
82.2529)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFE6
RGB	255, 175, 230
RGB Percent	100%, 69%, 90%
CMY	0.0000, 0.3137, 0.0980
CMYK	0.00, 0.31, 0.10, 0.00
HSL	319°, 100%, 84%
HSV	319°, 31%, 100%
XYZ	70.8529, 57.6331, 82.2529
YIQ	205.1900, 30.0250, 34.0650

Conversions

Conversions Part 2

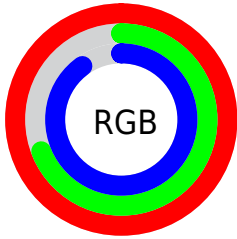
Format	Color
R _Y B	255, 175, 230
Decimal	16756710
CIE Lab	80.53, 37.26, -15.71
CIE LCh	81, 40.440, 337.139
Yxy	57.6331, 0.3362, 0.2735
Android (android.graphics.Color)	4294946790 (0xFFFFAFE6)
YUV	205.1900, 12.2313, 43.6834
Hunter-Lab	75.9165, 33.7404, -11.0972

Details

The XYZ color **70.8529, 57.6331, 82.2529** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.8664, 84.8050, 67.6494**, and the grayscale version is **58.0617, 61.0854, 66.5220**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **37.5033, 28.6011, 43.5883** is the 20% darker color. If you saturate the color by 10%, you get **65.2568, 48.1910, 74.9922**, and if you desaturate by 10%, it is **77.4399, 68.9746, 90.0978**.

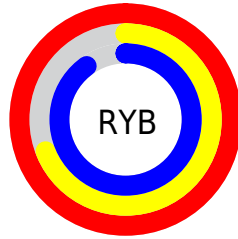
Distribution



Red (100%)

Green (69%)

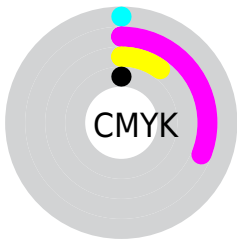
Blue (90%)



Red (100%)

Yellow (69%)

Blue (90%)

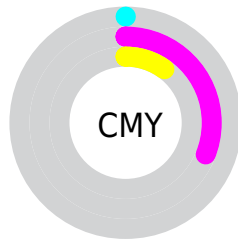


Cyan (0%)

Magenta (31%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8529, 57.6331, 82.2529 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 70.8529, 57.6331, 82.2529 by changing the saturation by 10% instead.


 70.8529, 57.6331,
82.2529

 70.8529, 57.6331,
82.2529


452.7589,
415.8174, 522.3989

 52.5043, 41.5138,
61.0370


 119.4439,
101.3884, 138.3685

 37.6331, 28.7207,
43.8243


150.4170,
129.7931, 174.1052

 25.8739, 18.8697,
30.1962


186.3289,
163.0617, 215.5193

 16.8615, 11.5761,
19.7342


227.5451,
201.5787, 263.0292

 10.2305, 6.4558,
12.0199

274.4308,
245.7283, 317.0536

 5.6155, 3.1241,
6.6345

327.3514,

 2.6511, 1.1969,

295.8950, 378.0110

3.1596

386.6723,
352.4633, 446.3199

■ 0.9721, 0.0592,
1.1767

■ 0.0000, 0.0000,
0.0000

■ 70.8529, 57.6331,
82.2529

■ 70.8529, 57.6331,
82.2529

■ 65.2568, 48.1910,
74.9922

■ 77.4399, 68.9746,
90.0978

■ 60.5941, 40.5351,
68.2910

■ 85.0632, 82.3060,
98.5431

■ 56.8072, 34.5512,
62.1275

■ 93.7701, 97.7208,
107.6085

■ 53.8304, 30.1089,
56.4762

■ 95.0500, 100.0000,
108.9000

■ 51.5882, 27.0583,
51.3085

■ 49.9899, 25.2192,
46.5905

■ 49.0084, 24.3673,
42.8377

Harmonies

Analogous

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



64.9984, 57.6331, 106.7349



70.8529, 57.6331, 82.2529



72.2037, 57.6331, 57.2377

Triad

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



70.8529, 57.6331, 82.2529



52.8174, 57.6331, 27.4288



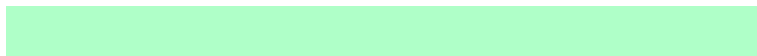
43.0074, 57.6331, 94.6186

Complementary

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



70.8529, 57.6331, 82.2529



63.8664, 84.8050, 67.6494

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.



40.4099, 57.6331, 68.6109



70.8529, 57.6331, 82.2529



45.6904, 57.6331, 32.8957

Square

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



70.8529, 57.6331, 82.2529



61.2206, 57.6331, 29.3364



41.3401, 57.6331, 46.6071



48.8050, 57.6331, 115.0419

Rectangle

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



70.8529, 57.6331, 82.2529



70.2563, 57.6331, 44.1145



41.3401, 57.6331, 46.6071



41.7593, 57.6331, 86.0159

Sweetspot

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



70.8542, 57.6355, 82.2541



87.0273, 85.7680, 100.6351



56.9354, 50.0249, 101.2627



18.3678, 17.9000, 21.2643



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.



70.8542, 57.6355, 82.2541



67.0361, 51.1687, 77.3759



65.9756, 55.6841, 56.5638



18.5368, 18.1980, 21.4441



25.6783, 12.7606, 22.7543



2.5495, 1.2622, 2.4752

Inverse Universe

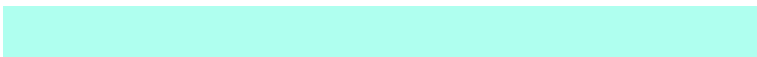
The Inverse Universe completely reimagines the original color for something new.



70.8542, 57.6355, 82.2541



67.0361, 51.1687, 77.3759



69.0207, 86.8667, 94.7915



18.5368, 18.1980, 21.4441



25.6783, 12.7606, 22.7543



2.5495, 1.2622, 2.4752

Previews

White Background



This preview shows how the XYZ color 70.8529, 57.6331, 82.2529 looks on a white background.

Color Contrast Check

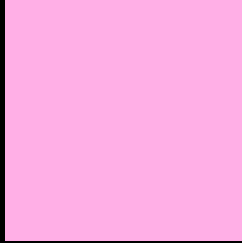
Large Text (above 18pt) WCAG AA × Fail

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 70.8529, 57.6331, 82.2529 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 70.8529, 57.6331, 82.2529

Background



This preview shows how black text looks on a background with the XYZ color 70.8529, 57.6331, 82.2529.



This preview shows how white text looks on a background with the XYZ color 70.8529, 57.6331,

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

70.8529, 57.6331, 82.2529

Protanopia

57.8149, 57.8608, 95.3099

Deuteranopia

58.9747, 57.7866, 79.9971



Tritanopia

66.1579, 57.4971, 59.2409

Trichromacy



Original Color

70.8529, 57.6331, 82.2529



Protanomaly

61.5822, 57.2643, 90.2455



Deuteranomaly

62.5888, 57.3598, 80.4458



Tritanomaly

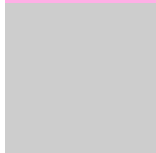
67.6501, 57.4897, 67.2056

Monochromacy



Original Color

70.8529, 57.6331, 82.2529



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

61.8608, 59.1266, 71.7705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8529, 57.6331, 82.2529 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, 175, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 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, 175, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.8529, 57.6331, 82.2529 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, 175, 230) }
```


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

```
.border{ border-color:rgb(255, 175, 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, 175, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8529, 57.6331, 82.2529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 230) }
```

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

```
.background{ background-color: rgb(255,  
175, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor