

Converting Colors

XYZ(116.7344, 81.8701,
83.0814)

Have a look what the booklet for
XYZ(116.7344, 81.8701, 83.0814)
contains.

XYZ(70.9657, 58.3057, 80.9126)	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(70.9657, 58.3057,
80.9126)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB1E4
RGB	255, 177, 228
RGB Percent	100%, 69%, 89%
CMY	0.0000, 0.3059, 0.1059
CMYK	0.00, 0.31, 0.11, 0.00
HSL	321°, 100%, 85%
HSV	321°, 31%, 100%
XYZ	70.9657, 58.3057, 80.9126
YIQ	206.1360, 30.1170, 32.3970

Conversions

Conversions Part 2

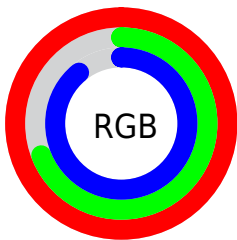
Format	Color
R _Y B	255, 177, 228
Decimal	16757220
CIE Lab	80.91, 35.89, -14.07
CIE LCh	81, 38.551, 338.593
Yxy	58.3057, 0.3376, 0.2774
Android (android.graphics.Color)	4294947300 (0xFFFFB1E4)
YUV	206.1360, 10.7790, 42.8537
Hunter-Lab	76.3582, 32.2674, -9.3757

Details

The XYZ color **70.9657, 58.3057, 80.9126** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.7925, 85.2277, 70.1655**, and the grayscale version is **58.6742, 61.7299, 67.2238**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **37.6517, 29.0534, 43.1586** is the 20% darker color. If you saturate the color by 10%, you get **65.1973, 48.6801, 73.0978**, and if you desaturate by 10%, it is **77.7404, 69.8433, 89.3731**.

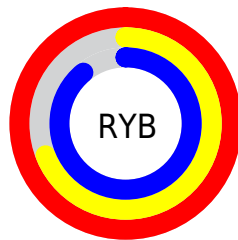
Distribution



Red (100%)

Green (69%)

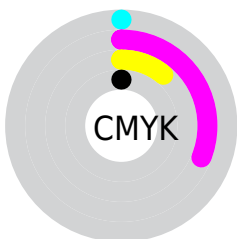
Blue (89%)



Red (100%)

Yellow (69%)

Blue (89%)

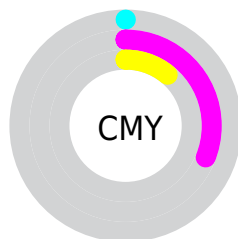


Cyan (0%)

Magenta (31%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9657, 58.3057, 80.9126 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 70.9657, 58.3057, 80.9126 by changing the saturation by 10% instead.


 70.9657, 58.3057,
80.9126

 70.9657, 58.3057,
80.9126


453.1472,
418.3241, 517.7907

 52.5966, 42.0545,
59.9390


 119.6037,
102.3679, 136.4710

 37.7071, 29.1439,
42.9445


150.6033,
130.9476, 171.8929

 25.9316, 19.1897,
29.5105


186.5438,
164.4057, 212.9681

 16.9049, 11.8075,
19.2185

227.7906,
203.1264, 260.1149

 10.2616, 6.6127,
11.6498

274.7089,
247.4942, 313.7521

 5.6363, 3.2211,
6.3861

327.6643,

 2.6638, 1.2482,

297.8935, 374.2981

3.0087

387.0219,
354.7087, 442.1714

■ 0.9786, 0.1006,
1.0991

■ 0.0000, 0.0000,
0.0000

■ 70.9657, 58.3057,
80.9126

■ 70.9657, 58.3057,
80.9126

■ 65.1973, 48.6801,
73.0978

■ 77.7404, 69.8433,
89.3731

■ 60.3777, 40.8537,
65.9027

■ 85.5668, 83.3828,
98.4965

■ 56.4497, 34.7132,
59.3043

94.4921, 99.0172,
108.3038

■ 53.3478, 30.1295,
53.2760

95.0500, 100.0000,
108.9000

■ 50.9972, 26.9542,
47.7880

■ 49.3083, 25.0101,
42.8054

■ 48.1899, 24.0400,
38.5275

Harmonies

Analogous

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



65.5506, 58.3057, 104.3973



70.9657, 58.3057, 80.9126



72.0160, 58.3057, 57.1429

Triad

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



70.9657, 58.3057, 80.9126



53.1567, 58.3057, 29.1936



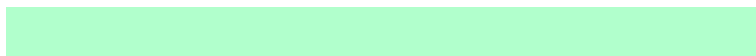
44.2694, 58.3057, 95.0307

Complementary

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



70.9657, 58.3057, 80.9126



64.7925, 85.2277, 70.1655

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.



41.5886, 58.3057, 70.2798



70.9657, 58.3057, 80.9126



46.3870, 58.3057, 34.9604

Square

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



70.9657, 58.3057, 80.9126



61.2089, 58.3057, 30.7321



42.3249, 58.3057, 48.7588



50.0040, 58.3057, 113.8146

Rectangle

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



70.9657, 58.3057, 80.9126



70.0116, 58.3057, 44.6911



42.3249, 58.3057, 48.7588



43.0076, 58.3057, 86.9235

Sweetspot

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



70.9671, 58.3082, 80.9138



86.9078, 85.7202, 100.0057



58.4030, 51.3637, 101.4438



18.3383, 17.8882, 21.1088



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.



70.9671, 58.3082, 80.9138



67.1541, 51.9197, 75.8279



66.2581, 56.4246, 56.1169



18.5099, 18.1873, 21.3022



25.2534, 12.5906, 20.5165



2.5104, 1.2465, 2.2690

Inverse Universe

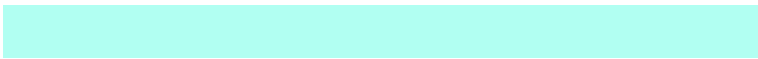
The Inverse Universe completely reimagines the original color for something new.



70.9671, 58.3082, 80.9138



67.1541, 51.9197, 75.8279



69.9200, 87.2787, 97.1665



18.5099, 18.1873, 21.3022



25.2534, 12.5906, 20.5165



2.5104, 1.2465, 2.2690

Previews

White Background



This preview shows how the XYZ color 70.9657, 58.3057, 80.9126 looks on a white background.

Color Contrast Check

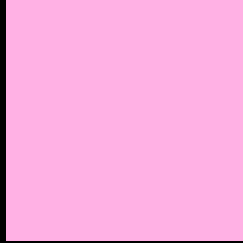
Large Text (above 18pt) WCAG AA × Fail

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 70.9657, 58.3057, 80.9126 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 70.9657, 58.3057, 80.9126

Background



This preview shows how black text looks on a background with the XYZ color 70.9657, 58.3057, 80.9126.



This preview shows how white text looks on a background with the XYZ color 70.9657, 58.3057,

80.9126.

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

70.9657, 58.3057, 80.9126

Protanopia

58.3393, 58.5244, 93.0155

Deuteranopia

59.9089, 58.6177, 79.3910



Tritanopia

66.7952, 58.4074, 60.5766

Trichromacy



Original Color

70.9657, 58.3057, 80.9126



Protanomaly

62.0877, 57.8817, 88.7888



Deuteranomaly

63.2891, 58.0549, 79.8215



Tritanomaly

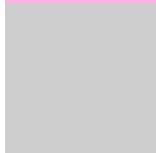
68.0539, 58.2973, 67.3402

Monochromacy



Original Color

70.9657, 58.3057, 80.9126



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.3932, 59.7325, 71.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9657, 58.3057, 80.9126 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, 177, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 228)  
}
```

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, 177, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 228) }
```

Border

The CSS property to change the border of an element to XYZ 70.9657, 58.3057, 80.9126 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, 177, 228) }
```


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

```
.border{ border-color:rgb(255, 177, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 177, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 177, 228); box-shadow:4px 4px 4px 4px rgb(255, 177, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9657, 58.3057, 80.9126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 228) }
```

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

```
.background{ background-color: rgb(255,  
177, 228) }
```

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