

Converting Colors

XYZ(70.3510, 58.1038, 77.5401)

Have a look what the booklet for
XYZ(70.3510, 58.1038, 77.5401)
contains.

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Color

**XYZ(70.2814, 58.0320,
77.3091)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB1DF
RGB	255, 177, 223
RGB Percent	100%, 69%, 87%
CMY	0.0000, 0.3059, 0.1255
CMYK	0.00, 0.31, 0.13, 0.00
HSL	325°, 100%, 85%
HSV	325°, 31%, 100%
XYZ	70.2814, 58.0320, 77.3091
YIQ	205.5660, 31.7220, 30.8420

Conversions

Conversions Part 2

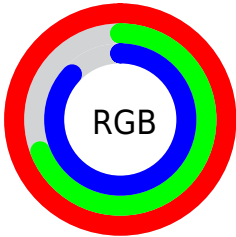
Format	Color
R _Y B	255, 177, 223
Decimal	16757215
CIE Lab	80.76, 35.08, -11.60
CIE LCh	81, 36.952, 341.700
Yxy	58.0320, 0.3418, 0.2822
Android (android.graphics.Color)	4294947295 (0xFFFFB1DF)
YUV	205.5660, 8.5950, 43.3536
Hunter-Lab	76.1787, 31.3687, -6.8446

Details

The XYZ color **70.2814, 58.0320, 77.3091** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.4021, 85.4715, 73.3755**, and the grayscale version is **58.3229, 61.3602, 66.8213**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **37.1768, 28.8634, 40.6575** is the 20% darker color. If you saturate the color by 10%, you get **64.3400, 48.3372, 68.5834**, and if you desaturate by 10%, it is **77.2537, 69.6487, 86.8099**.

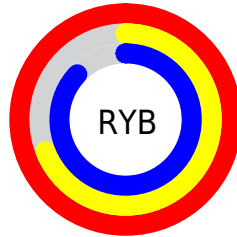
Distribution



Red (100%)

Green (69%)

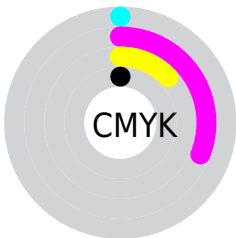
Blue (87%)



Red (100%)

Yellow (69%)

Blue (87%)

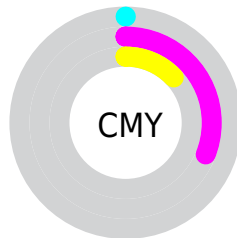


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2814, 58.0320, 77.3091 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 70.2814, 58.0320, 77.3091 by changing the saturation by 10% instead.


 70.2814, 58.0320,
77.3091

 70.2814, 58.0320,
77.3091


450.7884,
417.3052, 505.2829

 52.0364, 41.8344,
56.9935


 118.6340,
101.9695, 131.3527

 37.2585, 28.9716,
40.5907

149.4724,
130.4781, 165.9178

 25.5823, 19.0594,
27.6821


185.2393,
163.8592, 206.0699

 16.6424, 11.7132,
17.8492

226.3000,
202.4971, 252.2274

 10.0736, 6.5487,
10.6735

273.0199,
246.7762, 304.8089

 5.5104, 3.1815,
5.7363

325.7644,

 2.5876, 1.2272,

297.0811, 364.2330

2.6192

384.8988,
353.7959, 430.9181

■ 0.9396, 0.0838,
0.9024

■ 0.0000, 0.0000,
0.0000

■ 70.2814, 58.0320,
77.3091

■ 70.2814, 58.0320,
77.3091

■ 64.3400, 48.3372,
68.5834

■ 77.2537, 69.6487,
86.8099

■ 59.3714, 40.4512,
60.6036

■ 85.3029, 83.2773,
97.1065

■ 55.3177, 34.2605,
53.3432

94.4767, 99.0111,
108.2229

■ 52.1127, 29.6355,
46.7720

95.0500, 100.0000,
108.9000

■ 49.6809, 26.4277,
40.8565

■ 47.9320, 24.4596,
35.5578

■ 46.7757, 23.4743,
31.0805

Harmonies

Analogous

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



65.4971, 58.0320, 100.0081



70.2814, 58.0320, 77.3091



70.7960, 58.0320, 55.0486

Triad

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



70.2814, 58.0320, 77.3091



52.2375, 58.0320, 30.3439



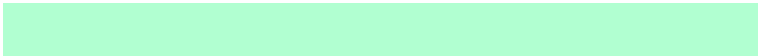
44.9192, 58.0320, 95.4378

Complementary

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



70.2814, 58.0320, 77.3091



65.4021, 85.4715, 73.3755

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.



42.0105, 58.0320, 72.0904



70.2814, 58.0320, 77.3091



45.9680, 58.0320, 36.7356

Square

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



70.2814, 58.0320, 77.3091



59.8904, 58.0320, 31.1176



42.3759, 58.0320, 50.8987



50.6811, 58.0320, 112.0243

Rectangle

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



70.2814, 58.0320, 77.3091



68.5956, 58.0320, 43.5912



42.3759, 58.0320, 50.8987



43.6004, 58.0320, 87.9192

Sweetspot

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



70.2828, 58.0345, 77.3103



86.6815, 85.6297, 98.8141



59.8431, 52.1061, 101.5112



18.2824, 17.8659, 20.8148



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.



70.2828, 58.0345, 77.3103



66.3561, 51.6005, 71.6254



65.6998, 56.2013, 53.1765



18.4589, 18.1669, 21.0335



24.5173, 12.2962, 16.6406



2.4415, 1.2190, 1.9063

Inverse Universe

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



70.2828, 58.0345, 77.3103



66.3561, 51.6005, 71.6254



70.7123, 87.5956, 101.3388



18.4589, 18.1669, 21.0335



24.5173, 12.2962, 16.6406



2.4415, 1.2190, 1.9063

Previews

White Background



This preview shows how the XYZ color 70.2814, 58.0320, 77.3091 looks on a white background.

Color Contrast Check

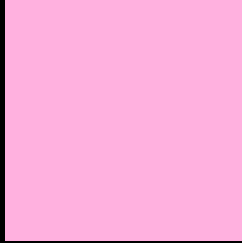
Large Text (above 18pt) WCAG AA × Fail

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 70.2814, 58.0320, 77.3091 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 70.2814, 58.0320, 77.3091

Background



This preview shows how black text looks on a background with the XYZ color 70.2814, 58.0320, 77.3091.



This preview shows how white text looks on a background with the XYZ color 70.2814, 58.0320,

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

70.2814, 58.0320, 77.3091

Protanopia

57.7018, 58.2987, 88.3323

Deuteranopia

59.5848, 58.1946, 75.8024



Tritanopia

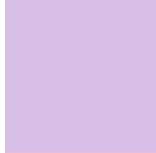
66.8366, 58.1369, 59.9234

Trichromacy



Original Color

70.2814, 58.0320, 77.3091



Protanomaly

61.5152, 57.6867, 84.2364



Deuteranomaly

63.0293, 57.6809, 76.2181



Tritanomaly

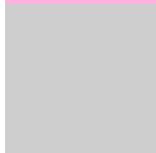
67.9698, 57.9814, 66.0016

Monochromacy



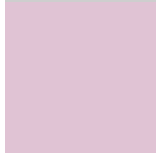
Original Color

70.2814, 58.0320, 77.3091



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.1392, 59.6310, 70.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2814, 58.0320, 77.3091 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 223) }
```

Border

The CSS property to change the border of an element to XYZ 70.2814, 58.0320, 77.3091 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, 223) }
```


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

```
.border{ border-color:rgb(255, 177, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2814, 58.0320, 77.3091 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
177, 223) }
```

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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