

Converting Colors

XYZ(169.4436, 118.8824,
101.8590)

Have a look what the booklet for
XYZ(169.4436, 118.8824, 101.8590)
contains.

| | |
|--|----|
| XYZ(80.5844, 73.0872, 97.8557) | 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(80.5844, 73.0872,
97.8557)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFD0F7 |
| RGB | 255, 208, 247 |
| RGB Percent | 100%, 82%, 97% |
| CMY | 0.0000, 0.1843, 0.0314 |
| CMYK | 0.00, 0.18, 0.03, 0.00 |
| HSL | 310°, 100%, 91% |
| HSV | 310°, 18%, 100% |
| XYZ | 80.5844, 73.0872, 97.8557 |
| YIQ | 226.4990, 15.4930, 22.0930 |

Conversions

Conversions Part 2

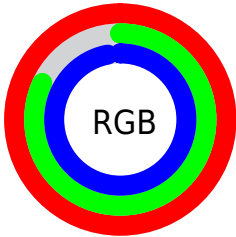
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 208, 247 |
| Decimal | 16765175 |
| CIE Lab | 88.49, 22.85, -12.85 |
| CIE LCh | 88, 26.214, 330.640 |
| Yxy | 73.0872, 0.3204, 0.2906 |
| Android (android.graphics.Color) | 4294955255 (0xFFFFD0F7) |
| YUV | 226.4990, 10.1070, 24.9954 |
| Hunter-Lab | 85.4911, 18.6459, -8.0214 |

Details

The XYZ color **80.5844, 73.0872, 97.8557** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.1694, 89.8889, 78.4100**, and the grayscale version is **72.5727, 76.3521, 83.1475**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0839, 38.5498, 54.4076** is the 20% darker color. If you saturate the color by 10%, you get **74.1983, 61.3741, 92.4617**, and if you desaturate by 10%, it is **87.9888, 86.8113, 103.6681**.

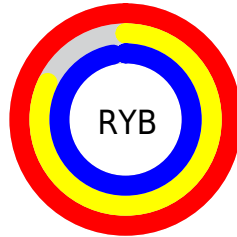
Distribution



Red (100%)

Green (82%)

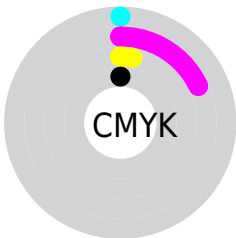
Blue (97%)



Red (100%)

Yellow (82%)

Blue (97%)

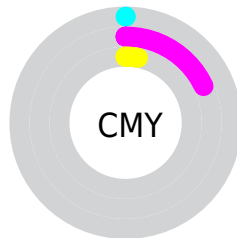


Cyan (0%)

Magenta (18%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5844, 73.0872, 97.8557 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 80.5844, 73.0872, 97.8557 by changing the saturation by 10% instead.

80.5844, 73.0872,
97.8557

80.5844, 73.0872,
97.8557

485.6067,
471.3170, 574.4836

60.5095, 54.0473,
73.9041

133.1333,
123.6010, 160.2334

44.0805, 38.6395,
54.2192

166.3379,
155.8436, 199.4965

30.9320, 26.4794,
38.3826

204.6499,
193.2560, 244.7006

20.6986, 17.1826,
25.9756

248.4345,
236.2224, 296.2641

13.0151, 10.3648,
16.5798

298.0572,
285.1274, 354.6056

7.5160, 5.6415,
9.7766

353.8832,

3.8360, 2.6283,

340.3552, 420.1437

5.1474

416.2779,
402.2902, 493.2968

■ 1.6098, 0.9409,
2.2738

■ 0.3988, 0.0000,
0.7165

■ 80.5844, 73.0872,
97.8557

■ 80.5844, 73.0872,
97.8557

■ 74.1983, 61.3741,
92.4617

■ 87.9888, 86.8113,
103.6681

■ 68.7778, 51.5679,
87.4649

95.0500, 100.0000,
108.9000

■ 64.2729, 43.5682,
82.8493

■ 60.6271, 37.2623,
78.5953

■ 57.7774, 32.5243,
74.6816

■ 55.6523, 29.2113,
71.0837

■ 54.1668, 27.1537,
67.7728

■ 53.2024, 26.1145,
64.7088

■ 53.0729, 25.9932,
64.2415

Harmonies

Analogous

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



75.8343, 73.0872, 113.3664



80.5844, 73.0872, 97.8557



82.3159, 73.0872, 79.1920

Triad

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



80.5844, 73.0872, 97.8557



69.3317, 73.0872, 49.6519



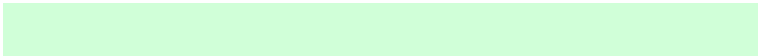
59.5448, 73.0872, 98.6295

Complementary

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



80.5844, 73.0872, 97.8557



74.1694, 89.8889, 78.4100

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.



58.0304, 73.0872, 79.9684



80.5844, 73.0872, 97.8557



63.4668, 73.0872, 53.2765

Square

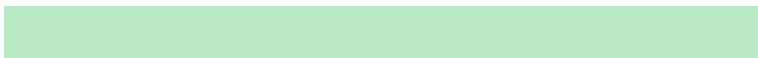
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



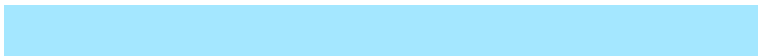
80.5844, 73.0872, 97.8557



75.5857, 73.0872, 52.9800



59.4226, 73.0872, 63.7336



63.6882, 73.0872, 113.8586

Rectangle

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



80.5844, 73.0872, 97.8557



81.4479, 73.0872, 67.9514



59.4226, 73.0872, 63.7336



58.7230, 73.0872, 92.4638

Sweetspot

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



80.5860, 73.0901, 97.8572



89.9453, 90.4571, 105.1440



68.8785, 66.9089, 103.8922



19.1381, 19.1491, 22.4197



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.



80.5860, 73.0901, 97.8572



78.1909, 68.6810, 95.8837



77.2072, 71.7386, 80.0647



18.6521, 18.2442, 22.0511



27.7806, 13.6015, 33.8249



2.7384, 1.3377, 3.4699

Inverse Universe

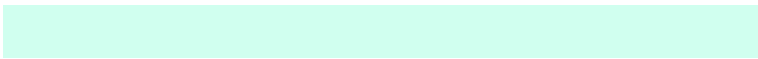
The Inverse Universe completely reimagines the original color for something new.



80.5860, 73.0901, 97.8572



78.1909, 68.6810, 95.8837



77.4037, 91.1826, 95.4417



18.6521, 18.2442, 22.0511



27.7806, 13.6015, 33.8249



2.7384, 1.3377, 3.4699

Previews

White Background



This preview shows how the XYZ color 80.5844, 73.0872, 97.8557 looks on a white background.

Color Contrast Check

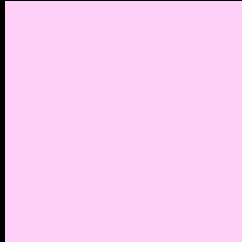
Large Text (above 18pt) WCAG AA × Fail

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 80.5844, 73.0872, 97.8557 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 80.5844, 73.0872, 97.8557

Background



This preview shows how black text looks on a background with the XYZ color 80.5844, 73.0872, 97.8557.



This preview shows how white text looks on a background with the XYZ color 80.5844, 73.0872,

97.8557.

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

80.5844, 73.0872, 97.8557

Protanopia

72.2254, 73.5318, 104.9941

Deuteranopia

74.6416, 73.0279, 96.5480



Tritanopia

77.4427, 72.8854, 83.3854

Trichromacy



Original Color

80.5844, 73.0872, 97.8557



Protanomaly

74.7597, 72.9630, 102.2385



Deuteranomaly

76.7044, 72.9431, 97.2254



Tritanomaly

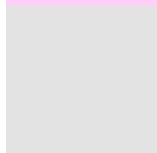
78.5500, 72.9740, 88.5426

Monochromacy



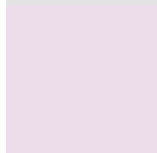
Original Color

80.5844, 73.0872, 97.8557



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

75.3695, 75.1314, 88.3713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5844, 73.0872, 97.8557 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, 208, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 247)  
}
```

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, 208, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 247) }
```

Border

The CSS property to change the border of an element to XYZ 80.5844, 73.0872, 97.8557 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, 208, 247) }
```


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

```
.border{ border-color:rgb(255, 208, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 208, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5844, 73.0872, 97.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 247) }
```

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

```
.background{ background-color: rgb(255,  
208, 247) }
```

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