

Converting Colors

XYZ(117.4107, 91.7869,
101.0317)

Have a look what the booklet for
XYZ(117.4107, 91.7869, 101.0317)
contains.

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Color

**XYZ(80.6517, 72.7252,
99.4091)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCFF9
RGB	255, 207, 249
RGB Percent	100%, 81%, 98%
CMY	0.0000, 0.1882, 0.0235
CMYK	0.00, 0.19, 0.02, 0.00
HSL	307°, 100%, 91%
HSV	307°, 19%, 100%
XYZ	80.6517, 72.7252, 99.4091
YIQ	226.1400, 15.1260, 23.2380

Conversions

Conversions Part 2

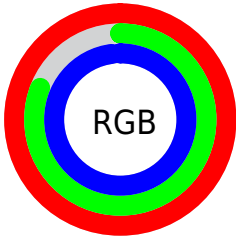
Format	Color
R_{YB}	255, 207, 249
Decimal	16764921
CIE _{Lab}	88.32, 23.72, -14.17
CIE _{LCh}	88, 27.632, 329.157
Yxy	72.7252, 0.3191, 0.2877
Android (android.graphics.Color)	4294955001 (0xFFFFCFF9)
YUV	226.1400, 11.2700, 25.3102
Hunter-Lab	85.2791, 19.5759, -9.4185

Details

The XYZ color **80.6517, 72.7252, 99.4091** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.5046, 89.5906, 76.3724**, and the grayscale version is **72.3049, 76.0704, 82.8406**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1426, 38.3125, 55.5206** is the 20% darker color. If you saturate the color by 10%, you get **74.4729, 61.1562, 94.9184**, and if you desaturate by 10%, it is **87.8398, 86.2986, 104.2798**.

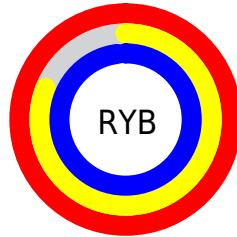
Distribution



Red (100%)

Green (81%)

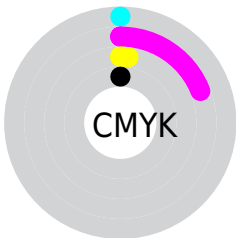
Blue (98%)



Red (100%)

Yellow (81%)

Blue (98%)

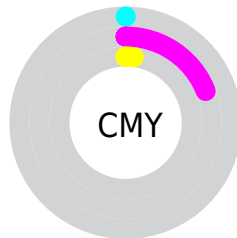


Cyan (0%)

Magenta (19%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6517, 72.7252, 99.4091 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 80.6517, 72.7252, 99.4091 by changing the saturation by 10% instead.


 80.6517, 72.7252,
99.4091

 80.6517, 72.7252,
99.4091

485.8296,
470.0618, 579.5270

 60.5651, 53.7513,
75.1930


133.2273,
123.0870, 162.3897

 44.1255, 38.4029,
55.2683


166.4470,
155.2437, 201.9913

 30.9675, 26.2955,
39.2166


204.7752,
192.5635, 247.5585

 20.7258, 17.0448,
26.6191

248.5771,
235.4307, 299.5098

 13.0350, 10.2665,
17.0575

298.2181,
284.2297, 358.2637

 7.5298, 5.5760,
10.1131

354.0636,

 3.8449, 2.5890,

339.3450, 424.2389

5.3674

416.4790,
401.1609, 497.8538

■ 1.6147, 0.9211,
2.4019

■ 0.4020, 0.0000,
0.7875

■ 80.6517, 72.7252,
99.4091

■ 80.6517, 72.7252,
99.4091

■ 74.4729, 61.1562,
94.9184

■ 87.8398, 86.2986,
104.2798

■ 69.2508, 51.4874,
90.7871

95.0500, 100.0000,
108.9000

■ 64.9351, 43.6182,
86.9991

■ 61.4692, 37.4352,
83.5353

■ 58.7899, 32.8121,
80.3745

■ 56.8253, 29.6052,
77.4926

■ 55.4898, 27.6437,
74.8607

■ 54.6599, 26.6802,
72.4375

■ 54.5766, 26.5946,
72.1594

Harmonies

Analogous

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



75.5195, 72.7252, 115.5244



80.6517, 72.7252, 99.4091



82.6641, 72.7252, 79.7237

Triad

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



80.6517, 72.7252, 99.4091



69.3108, 72.7252, 48.0119



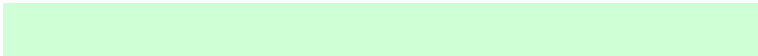
58.5810, 72.7252, 98.3305

Complementary

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



80.6517, 72.7252, 99.4091



73.5046, 89.5906, 76.3724

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.



57.1480, 72.7252, 78.6495



80.6517, 72.7252, 99.4091



63.0985, 72.7252, 51.3985

Square

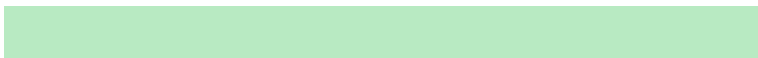
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6517, 72.7252, 99.4091



75.8645, 72.7252, 51.8022



58.7491, 72.7252, 61.9093



62.7934, 72.7252, 114.8349

Rectangle

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



80.6517, 72.7252, 99.4091



81.8732, 72.7252, 67.8026



58.7491, 72.7252, 61.9093



57.7707, 72.7252, 91.7757

Sweetspot

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



80.6533, 72.7281, 99.4106



90.0554, 90.5011, 105.7238



67.6904, 65.9356, 103.7669



19.1642, 19.1595, 22.5571



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.



80.6533, 72.7281, 99.4106



77.9510, 67.6548, 97.4885



77.2000, 71.3468, 81.2256



18.6892, 18.2590, 22.2463



28.5559, 13.9116, 37.9073



2.8066, 1.3650, 3.8290

Inverse Universe

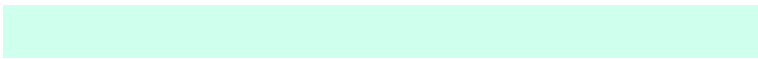
The Inverse Universe completely reimagines the original color for something new.



80.6533, 72.7281, 99.4106



77.9510, 67.6548, 97.4885



76.7217, 90.8774, 93.3138



18.6892, 18.2590, 22.2463



28.5559, 13.9116, 37.9073



2.8066, 1.3650, 3.8290

Previews

White Background



This preview shows how the XYZ color 80.6517, 72.7252, 99.4091 looks on a white background.

Color Contrast Check

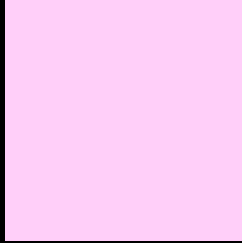
Large Text (above 18pt) WCAG AA × Fail

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 80.6517, 72.7252, 99.4091 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 80.6517, 72.7252, 99.4091

Background



This preview shows how black text looks on a background with the XYZ color 80.6517, 72.7252, 99.4091.



This preview shows how white text looks on a background with the XYZ color 80.6517, 72.7252,

99.4091.

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

80.6517, 72.7252, 99.4091

Protanopia

71.9621, 73.0053, 104.9064

Deuteranopia

74.6231, 72.9829, 98.1497



Tritanopia

77.3043, 72.8300, 82.6563

Trichromacy



Original Color

80.6517, 72.7252, 99.4091



Protanomaly

74.6632, 72.5157, 102.9903



Deuteranomaly

76.6727, 72.8911, 98.8352



Tritanomaly

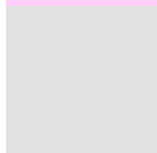
78.5500, 72.9740, 88.5426

Monochromacy



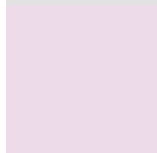
Original Color

80.6517, 72.7252, 99.4091



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

75.1079, 74.6081, 88.2841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6517, 72.7252, 99.4091 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, 207, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 249)  
}
```

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, 207, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 249) }
```

Border

The CSS property to change the border of an element to XYZ 80.6517, 72.7252, 99.4091 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, 207, 249) }
```


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

```
.border{ border-color:rgb(255, 207, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6517, 72.7252, 99.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 249) }
```

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

```
.background{ background-color: rgb(255,  
207, 249) }
```

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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