

Converting Colors

XYZ(86.1688, 78.8657,
100.0513)

Have a look what the booklet for
XYZ(86.1688, 78.8657, 100.0513)
contains.

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Color

**XYZ(82.8947, 77.2113,
100.1568)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8F9
RGB	255, 216, 249
RGB Percent	100%, 85%, 98%
CMY	0.0000, 0.1529, 0.0235
CMYK	0.00, 0.15, 0.02, 0.00
HSL	309°, 100%, 92%
HSV	309°, 15%, 100%
XYZ	82.8947, 77.2113, 100.1568
YIQ	231.4230, 12.6510, 18.5310

Conversions

Conversions Part 2

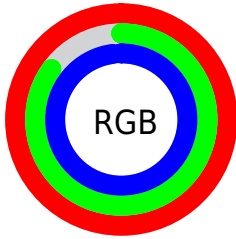
Format	Color
R _Y B	255, 216, 249
Decimal	16767225
CIE Lab	90.42, 19.01, -11.03
CIE LCh	90, 21.977, 329.884
Yxy	77.2113, 0.3185, 0.2967
Android (android.graphics.Color)	4294957305 (0xFFFFD8F9)
YUV	231.4230, 8.6655, 20.6770
Hunter-Lab	87.8700, 14.6208, -6.0715

Details

The XYZ color **82.8947, 77.2113, 100.1568** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.2661, 91.3940, 82.6789**, and the grayscale version is **76.2032, 80.1717, 87.3070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6592, 41.3458, 56.0261** is the 20% darker color. If you saturate the color by 10%, you get **76.2567, 64.9038, 94.9577**, and if you desaturate by 10%, it is **90.5628, 91.5576, 105.7644**.

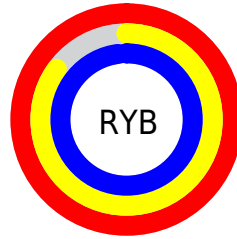
Distribution



Red (100%)

Green (85%)

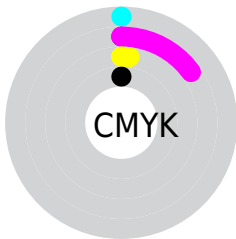
Blue (98%)



Red (100%)

Yellow (85%)

Blue (98%)

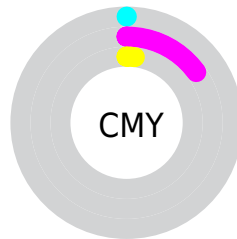


Cyan (0%)

Magenta (15%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8947, 77.2113, 100.1568 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 82.8947, 77.2113, 100.1568 by changing the saturation by 10% instead.

82.8947, 77.2113,
100.1568

82.8947, 77.2113,
100.1568

493.2248,
485.4842, 581.9462

62.4199, 57.4263,
75.8139

136.3573,
129.4377, 163.4264

45.6290, 41.3476,
55.7742

170.0757,
162.6479, 203.1902

32.1565, 28.5908,
39.6191

208.9395,
201.1020, 248.9313

21.6372, 18.7715,
26.9302

253.3139,
245.1843, 301.0683

13.7057, 11.5053,
17.2888

303.5642,
295.2793, 360.0198

7.9966, 6.4078,
10.2765

360.0559,

4.1445, 3.0946,

351.7714, 426.2042

5.4747

423.1543,
415.0448, 500.0402

■ 1.7842, 1.1813,
2.4648

■ 0.5081, 0.0464,
0.8214

■ 82.8947, 77.2113,
100.1568

■ 82.8947, 77.2113,
100.1568

■ 76.2567, 64.9038,
94.9577

■ 90.5628, 91.5576,
105.7644

■ 70.5967, 54.5326,
90.1462

95.0500, 100.0000,
108.9000

■ 65.8662, 46.0002,
85.7069

■ 62.0104, 39.1969,
81.6209

■ 58.9685, 34.0016,
77.8678

■ 56.6720, 30.2773,
74.4243

■ 55.0409, 27.8642,
71.2633

■ 53.9767, 26.5651,
68.3515

■ 53.6053, 26.2061,
67.0446

Harmonies

Analogous

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



78.7691, 77.2113, 113.0768



82.8947, 77.2113, 100.1568



84.4487, 77.2113, 84.1312

Triad

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



82.8947, 77.2113, 100.1568



73.4084, 77.2113, 57.3347



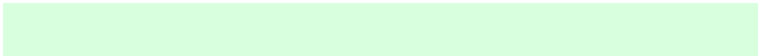
64.6160, 77.2113, 100.0377

Complementary

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



82.8947, 77.2113, 100.1568



77.2661, 91.3940, 82.6789

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.



63.3361, 77.2113, 84.0088



82.8947, 77.2113, 100.1568



68.2559, 77.2113, 60.5034

Square

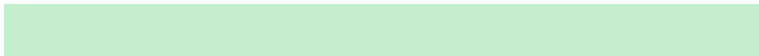
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8947, 77.2113, 100.1568



78.8079, 77.2113, 60.5526



64.6356, 77.2113, 69.8051



68.2206, 77.2113, 113.0023

Rectangle

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



82.8947, 77.2113, 100.1568



83.7600, 77.2113, 74.2082



64.6356, 77.2113, 69.8051



63.9079, 77.2113, 94.7689

Sweetspot

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



82.8965, 77.2144, 100.1584



90.8024, 92.0075, 105.9342



72.6872, 71.8415, 104.6435



19.3123, 19.4621, 22.5869



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.



82.8965, 77.2144, 100.1584



80.9988, 73.6835, 98.7106



80.0317, 76.0685, 85.0729



18.6655, 18.2495, 22.1217



28.0552, 13.7114, 35.2708



2.7626, 1.3474, 3.5975

Inverse Universe

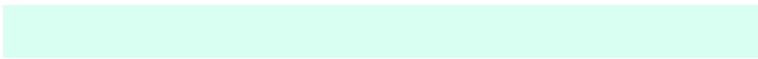
The Inverse Universe completely reimagines the original color for something new.



82.8965, 77.2144, 100.1584



80.9988, 73.6835, 98.7106



80.0105, 92.4918, 97.1308



18.6655, 18.2495, 22.1217



28.0552, 13.7114, 35.2708



2.7626, 1.3474, 3.5975

Previews

White Background



This preview shows how the XYZ color 82.8947, 77.2113, 100.1568 looks on a white background.

Color Contrast Check

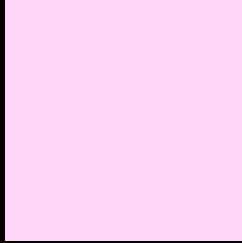
Large Text (above 18pt) WCAG AA × Fail

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 82.8947, 77.2113, 100.1568 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 82.8947, 77.2113, 100.1568

Background



This preview shows how black text looks on a background with the XYZ color 82.8947, 77.2113, 100.1568.



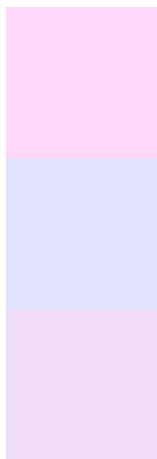
This preview shows how white text looks on a background with the XYZ color 82.8947, 77.2113,

100.1568.

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

82.8947, 77.2113, 100.1568

Protanopia

75.9868, 77.4600, 105.5541

Deuteranopia

79.0754, 77.1910, 99.5386



Tritanopia

80.5748, 77.0236, 89.2176

Trichromacy



Original Color

82.8947, 77.2113, 100.1568

Protanomaly

78.1118, 76.9966, 103.6734

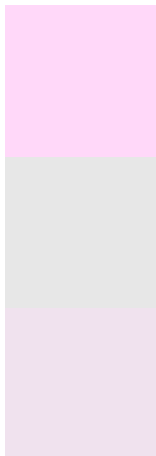
Deuteranomaly

80.2808, 77.0332, 99.4446

Tritanomaly

81.4141, 76.9878, 93.0072

Monochromacy



Original Color

82.8947, 77.2113, 100.1568

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

78.5642, 79.0910, 92.0142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.8947, 77.2113, 100.1568 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, 216, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 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, 216, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 249) }
```

Border

The CSS property to change the border of an element to XYZ 82.8947, 77.2113, 100.1568 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, 216, 249) }
```


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

```
.border{ border-color:rgb(255, 216, 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, 216, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 82.8947, 77.2113, 100.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 249) }
```

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

```
.background{ background-color: rgb(255,  
216, 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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