

Converting Colors

XYZ(80.2667, 76.6950, 96.9627)

Have a look what the booklet for
XYZ(80.2667, 76.6950, 96.9627)
contains.

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Color

**XYZ(80.2642, 76.6918,
96.9588)**

Conversions

Conversions Part 1

Format	Color
Hex	F8DAF5
RGB	248, 218, 245
RGB Percent	97%, 85%, 96%
CMY	0.0274, 0.1451, 0.0392
CMYK	0.00, 0.12, 0.01, 0.03
HSL	306°, 68%, 91%
HSV	306°, 12%, 97%
XYZ	80.2642, 76.6918, 96.9588
YIQ	230.0480, 9.2130, 14.7570

Conversions

Conversions Part 2

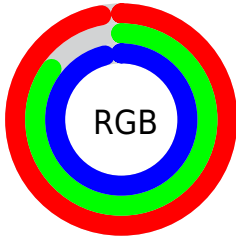
Format	Color
R _Y B	248, 218, 245
Decimal	16308981
CIE Lab	90.18, 14.93, -9.35
CIE LCh	90, 17.618, 327.958
Yxy	76.6918, 0.3161, 0.3020
Android (android.graphics.Color)	4294499061 (0xFFF8DAF5)
YUV	230.0480, 7.3713, 15.7439
Hunter-Lab	87.5739, 10.3466, -4.3422

Details

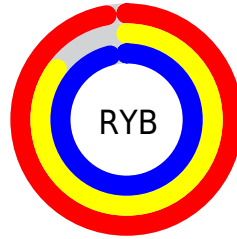
The XYZ color **80.2642, 76.6918, 96.9588** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **75.5349, 87.2628, 81.2729**, and the grayscale version is **75.1936, 79.1095, 86.1503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7684, 40.9449, 53.7404** is the 20% darker color. If you saturate the color by 10%, you get **73.9327, 64.6297, 92.9933**, and if you desaturate by 10%, it is **87.5674, 90.6869, 101.2751**.

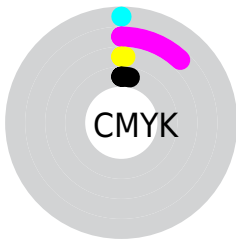
Distribution



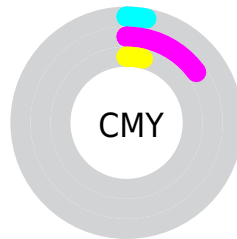
- Red (97%)
- Green (85%)
- Blue (96%)



- Red (97%)
- Yellow (85%)
- Blue (96%)



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (3%)





- Cyan (3%)
- Magenta (15%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2642, 76.6918, 96.9588 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 80.2642, 76.6918, 96.9588 by changing the saturation by 10% instead.


 80.2642, 76.6918,
96.9588

 80.2642, 76.6918,
96.9588


484.5457,
483.7126, 571.5608

 60.2450, 57.0000,
73.1605


132.6857,
128.7043, 158.9868

 43.8664, 41.0052,
53.6146


165.8187,
161.7938, 198.0535

 30.7629, 28.3232,
37.9025

204.0537,
200.1180, 243.0469

 20.5693, 18.5694,
25.6058

247.7560,
244.0612, 294.3853

 12.9202, 11.3596,
16.3059

297.2910,
294.0079, 352.4873

 7.4503, 6.3092,
9.5842

353.0241,

 3.7941, 3.0340,

350.3424, 417.7716

5.0221

415.3205,
413.4492, 490.6565

■ 1.5863, 1.1495,
2.2013

■ 0.3835, 0.0199,
0.6751

■ 80.2642, 76.6918,
96.9588

■ 80.2642, 76.6918,
96.9588

■ 73.9327, 64.6297,
92.9933

■ 87.5674, 90.6869,
101.2751

■ 68.5237, 54.4056,
89.3593

■ 91.7213, 98.3765,
104.5658

■ 63.9935, 45.9311,
86.0432

■ 92.1129, 98.5331,
106.6277

■ 60.2925, 39.1068,
83.0281

■ 92.5096, 98.6918,
108.7166

■ 57.3658, 33.8233,
80.2959

■ 92.5219, 98.6967,
108.7817

■ 55.1523, 29.9581,
77.8259

■ 53.5812, 27.3698,
75.5946

■ 52.5673, 25.8881,
73.5733

■ 52.0578, 25.2951,
72.0900

Harmonies

Analogous

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



76.9115, 76.6918, 106.6604



80.2642, 76.6918, 96.9588



81.6336, 76.6918, 84.3661

Triad

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



80.2642, 76.6918, 96.9588



73.1936, 76.6918, 61.6541



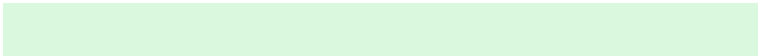
65.7077, 76.6918, 95.3247

Complementary

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



80.2642, 76.6918, 96.9588



75.5349, 87.2628, 81.2729

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.



64.8001, 76.6918, 82.6484



80.2642, 76.6918, 96.9588



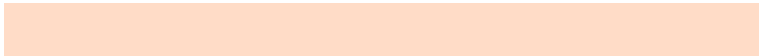
69.0175, 76.6918, 63.9685

Square

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



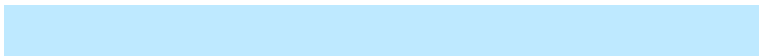
80.2642, 76.6918, 96.9588



77.4511, 76.6918, 64.6903



65.9880, 76.6918, 71.3559



68.5178, 76.6918, 105.6525

Rectangle

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



80.2642, 76.6918, 96.9588



81.1979, 76.6918, 76.2895



65.9880, 76.6918, 71.3559



65.1751, 76.6918, 91.1603

Sweetspot

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



80.2664, 76.6951, 96.9605



91.7181, 93.5983, 106.9812



71.8368, 72.2961, 98.9765



19.5014, 19.7844, 22.8226



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.



80.2664, 76.6951, 96.9605



83.4285, 77.7330, 102.0177



78.0683, 75.8159, 85.3851



17.9138, 17.4929, 21.4019



28.1512, 13.6762, 39.1003



2.6283, 1.2751, 3.7319

Inverse Universe

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



80.2664, 76.6951, 96.9605



83.4285, 77.7330, 102.0177



77.6238, 88.0983, 92.2728



17.9138, 17.4929, 21.4019



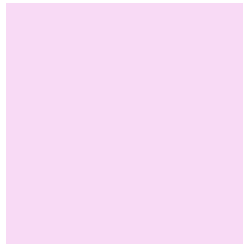
28.1512, 13.6762, 39.1003



2.6283, 1.2751, 3.7319

Previews

White Background



This preview shows how the XYZ color 80.2642, 76.6918, 96.9588 looks on a white background.

Color Contrast Check

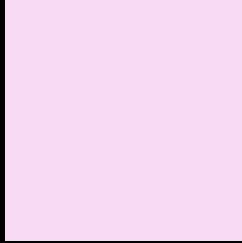
Large Text (above 18pt) WCAG AA × Fail

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 80.2642, 76.6918, 96.9588 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 80.2642, 76.6918, 96.9588

Background



This preview shows how black text looks on a background with the XYZ color 80.2642, 76.6918, 96.9588.



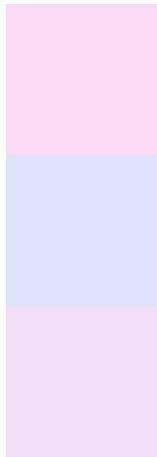
This preview shows how white text looks on a background with the XYZ color 80.2642, 76.6918,

96.9588.

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

80.2642, 76.6918, 96.9588

Protanopia

74.9210, 76.5998, 101.2790

Deuteranopia

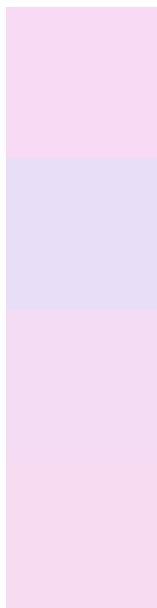
78.6135, 77.0062, 97.1065



Tritanopia

78.9754, 76.5516, 90.7343

Trichromacy



Original Color

80.2642, 76.6918, 96.9588

Protanomaly

76.6688, 76.3435, 99.5018

Deuteranomaly

79.3829, 77.0121, 97.0671

Tritanomaly

79.4175, 76.7285, 93.0624

Monochromacy



Original Color

80.2642, 76.6918, 96.9588

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

77.1168, 78.3954, 89.6646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2642, 76.6918, 96.9588 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(248, 218, 245) looks like.

```
.text, #text, p{  
    color:rgb(248, 218, 245)  
}
```

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(248, 218, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 218, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.2642, 76.6918, 96.9588 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(248, 218, 245) }
```


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

```
.border{ border-color:rgb(248, 218, 245) }
```

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

Here you see how a box with a 4 pixel rgb(248, 218, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 218, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 218, 245);  
box-shadow:4px 4px 4px 4px rgb(248, 218,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2642, 76.6918, 96.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 218, 245) }
```

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

```
.background{ background-color: rgb(248,  
218, 245) }
```

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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