

Converting Colors

XYZ(80.7654, 75.3245,
104.8900)

Have a look what the booklet for
XYZ(80.7654, 75.3245, 104.8900)
contains.

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Color

**XYZ(80.8080, 75.2696,
104.8772)**

Conversions

Conversions Part 1

Format	Color
Hex	F8D6FF
RGB	248, 214, 255
RGB Percent	97%, 84%, 100%
CMY	0.0274, 0.1608, 0.0000
CMYK	0.03, 0.16, 0.00, 0.00
HSL	290°, 100%, 92%
HSV	290°, 16%, 100%
XYZ	80.8080, 75.2696, 104.8772
YIQ	228.8400, 7.1030, 19.9590

Conversions

Conversions Part 2

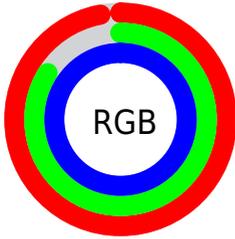
Format	Color
R _Y B	248, 214, 255
Decimal	16307967
CIE Lab	89.52, 18.85, -15.59
CIE LCh	90, 24.456, 320.406
Yxy	75.2696, 0.3097, 0.2884
Android (android.graphics.Color)	4294498047 (0xFFFF8D6FF)
YUV	228.8400, 12.8969, 16.8033
Hunter-Lab	86.7581, 14.4315, -10.9419

Details

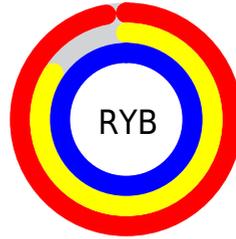
The XYZ color **80.8080, 75.2696, 104.8772** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.7182, 91.7481, 77.2350**, and the grayscale version is **74.2650, 78.1325, 85.0863**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0770, 39.9499, 58.8141** is the 20% darker color. If you saturate the color by 10%, you get **73.3279, 62.5732, 102.8208**, and if you desaturate by 10%, it is **89.3383, 90.0112, 107.2730**.

Distribution



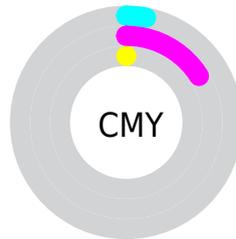
- Red (97%)
- Green (84%)
- Blue (100%)



- Red (97%)
- Yellow (84%)
- Blue (100%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8080, 75.2696, 104.8772 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 80.8080, 75.2696, 104.8772 by changing the saturation by 10% instead.

80.8080, 75.2696,
104.8772

80.8080, 75.2696,
104.8772

486.3469,
478.8437, 597.0985

60.6942, 55.8338,
79.7404

133.4457,
126.6939, 169.9537

44.2300, 40.0697,
58.9798

166.7004,
159.4512, 210.7305

31.0501, 27.5929,
42.1770

205.0660,
197.4178, 257.5576

20.7890, 18.0190,
28.9133

248.9080,
240.9780, 310.8538

13.0814, 10.9636,
18.7702

298.5918,
290.5164, 371.0374

7.5620, 6.0424,
11.3292

354.4826,

3.8654, 2.8709,

346.4172, 438.5270

6.1718

416.9458,
409.0648, 513.7412

■ 1.6263, 1.0647,
2.8793

■ 0.4095, 0.0000,
1.0334

■ 80.8080, 75.2696,
104.8772

■ 80.8080, 75.2696,
104.8772

■ 73.3279, 62.5732,
102.8208

■ 89.3383, 90.0112,
107.2730

■ 66.8447, 51.8186,
101.0866

95.0500, 100.0000,
108.9000

■ 61.3097, 42.9078,
99.6584

■ 56.6675, 35.7303,
98.5177

■ 52.8566, 30.1636,
97.6441

■ 49.8076, 26.0693,
97.0145

■ 47.4392, 23.2852,
96.6019

■ 45.6506, 21.6099,
96.3728

■ 45.0486, 21.1383,
96.3135

Harmonies

Analogous

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



75.6413, 75.2696, 116.9998



80.8080, 75.2696, 104.8772



83.5346, 75.2696, 87.5887

Triad

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



80.8080, 75.2696, 104.8772



73.4822, 75.2696, 53.4955



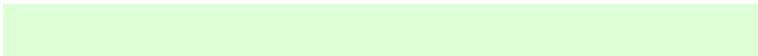
61.2611, 75.2696, 94.0284

Complementary

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



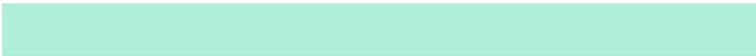
80.8080, 75.2696, 104.8772



77.7182, 91.7481, 77.2350

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.



60.7550, 75.2696, 76.5698



80.8080, 75.2696, 104.8772



67.5926, 75.2696, 54.7175

Square

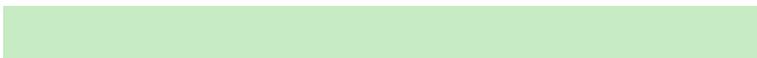
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8080, 75.2696, 104.8772



79.1518, 75.2696, 59.0342



63.0119, 75.2696, 62.6440



64.4354, 75.2696, 110.1538

Rectangle

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



80.8080, 75.2696, 104.8772



83.5032, 75.2696, 76.1298



63.0119, 75.2696, 62.6440



60.7804, 75.2696, 88.0717

Sweetspot

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



80.8100, 75.2728, 104.8777



90.3204, 91.7227, 107.5516



71.7775, 73.5055, 105.0127



19.1947, 19.3927, 22.9814



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.



80.8100, 75.2728, 104.8777



78.5163, 71.3529, 104.2420



81.3178, 75.7679, 94.3577



18.4705, 18.1343, 22.7767



23.6508, 11.1029, 50.3311



2.3795, 1.1206, 4.9042

Inverse Universe

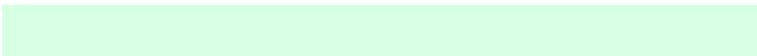
The Inverse Universe completely reimagines the original color for something new.



78.3396, 74.5766, 78.6749



75.6867, 70.5650, 73.8006



77.3565, 91.3623, 86.2213



18.1359, 18.0377, 19.3327



21.8184, 11.2167, 2.4282



2.1579, 1.1055, 0.4127

Previews

White Background



This preview shows how the XYZ color 80.8080, 75.2696, 104.8772 looks on a white background.

Color Contrast Check

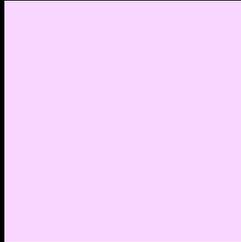
Large Text (above 18pt) WCAG AA × Fail

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 80.8080, 75.2696, 104.8772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

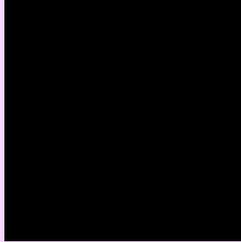
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8080, 75.2696, 104.8772

Background



This preview shows how black text looks on a background with the XYZ color 80.8080, 75.2696, 104.8772.



This preview shows how white text looks on a background with the XYZ color 80.8080, 75.2696,

104.8772.

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

80.8080, 75.2696, 104.8772

Protanopia

74.2209, 75.7470, 105.3165

Deuteranopia

77.1526, 75.3112, 104.2361



Tritanopia

77.7230, 75.5534, 89.0841

Trichromacy



Original Color

80.8080, 75.2696, 104.8772

Protanomaly

76.2763, 75.2294, 105.1083

Deuteranomaly

78.2989, 75.1322, 104.1411

Tritanomaly

78.8459, 75.6293, 94.4467

Monochromacy



Original Color

80.8080, 75.2696, 104.8772

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

76.6803, 77.3172, 91.7711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8080, 75.2696, 104.8772 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 214, 255)  
}
```

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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8080, 75.2696, 104.8772 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, 214, 255) }
```


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

```
.border{ border-color:rgb(248, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8080, 75.2696, 104.8772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 214, 255) }
```

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

```
.background{ background-color: rgb(248,  
214, 255) }
```

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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