

Converting Colors

XYZ(86.5133, 80.4087, 98.8195)

Have a look what the booklet for
XYZ(86.5133, 80.4087, 98.8195)
contains.

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Color

**XYZ(83.3600, 78.6384,
98.7809)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDBF7
RGB	255, 219, 247
RGB Percent	100%, 86%, 97%
CMY	0.0000, 0.1412, 0.0314
CMYK	0.00, 0.14, 0.03, 0.00
HSL	313°, 100%, 93%
HSV	313°, 14%, 100%
XYZ	83.3600, 78.6384, 98.7809
YIQ	232.9560, 12.4680, 16.3400

Conversions

Conversions Part 2

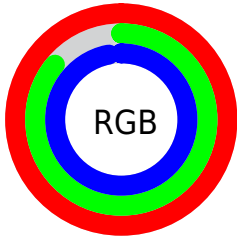
Format	Color
R _Y B	255, 219, 247
Decimal	16767991
CIE Lab	91.07, 17.09, -9.01
CIE LCh	91, 19.322, 332.210
Yxy	78.6384, 0.3197, 0.3016
Android (android.graphics.Color)	4294958071 (0xFFFFDBF7)
YUV	232.9560, 6.9237, 19.3326
Hunter-Lab	88.6783, 12.6078, -3.9698

Details

The XYZ color **83.3600, 78.6384, 98.7809** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.8409, 92.1273, 86.3032**, and the grayscale version is **77.3636, 81.3925, 88.6365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9681, 42.3183, 55.0357** is the 20% darker color. If you saturate the color by 10%, you get **76.3492, 65.9949, 92.1959**, and if you desaturate by 10%, it is **91.4199, 93.3369, 105.8489**.

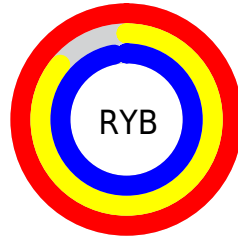
Distribution



Red (100%)

Green (86%)

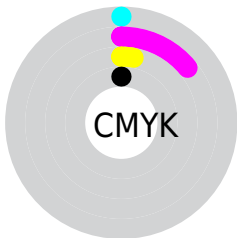
Blue (97%)



Red (100%)

Yellow (86%)

Blue (97%)

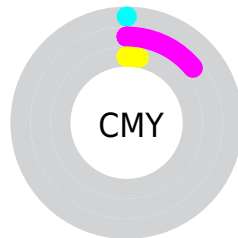


Cyan (0%)

Magenta (14%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3600, 78.6384, 98.7809 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 83.3600, 78.6384, 98.7809 by changing the saturation by 10% instead.


 83.3600, 78.6384,
98.7809

 83.3600, 78.6384,
98.7809


494.7513,
490.3322, 577.4903

 62.8051, 58.5986,
74.6716


137.0055,
131.4497, 161.5181

 45.9416, 42.2900,
54.8438


170.8267,
164.9899, 200.9831

 32.4042, 29.3285,
38.8789


209.8008,
203.7990, 246.4037

 21.8274, 19.3294,
26.3584

254.2931,
248.2615, 298.1985

 13.8461, 11.9086,
16.8638

304.6690,
298.7616, 356.7860

 8.0947, 6.6814,
9.9765

361.2937,

 4.2079, 3.2637,

355.6839, 422.5848

5.2780

424.5327,
419.4126, 496.0133

■ 1.8204, 1.2709,
2.3497

■ 0.5299, 0.1185,
0.7589

■ 83.3600, 78.6384,
98.7809

■ 83.3600, 78.6384,
98.7809

■ 76.3492, 65.9949,
92.1959

■ 91.4199, 93.3369,
105.8489

■ 70.3359, 55.3043,
86.0722

95.0500, 100.0000,
108.9000

■ 65.2716, 46.4701,
80.3937

■ 61.1020, 39.3840,
75.1411

■ 57.7671, 33.9260,
70.2931

■ 55.1991, 29.9613,
65.8260

■ 53.3195, 27.3333,
61.7124

■ 52.0324, 25.8504,
57.9191

■ 51.4717, 25.3527,
55.8093

Harmonies

Analogous

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



79.8599, 78.6384, 110.4466



83.3600, 78.6384, 98.7809



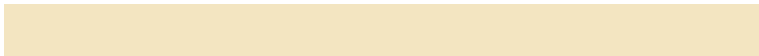
84.5223, 78.6384, 84.5913

Triad

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



83.3600, 78.6384, 98.7809



74.3820, 78.6384, 61.4695



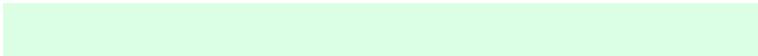
67.0783, 78.6384, 100.7693

Complementary

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



83.3600, 78.6384, 98.7809



78.8409, 92.1273, 86.3032

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.



65.7495, 78.6384, 86.6648



83.3600, 78.6384, 98.7809



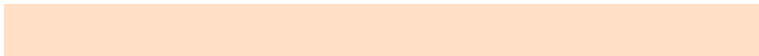
69.8503, 78.6384, 64.8304

Square

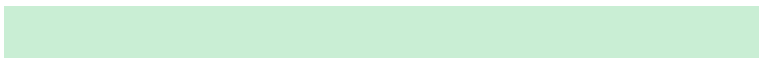
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3600, 78.6384, 98.7809



79.2064, 78.6384, 63.9730



66.7421, 78.6384, 73.6903



70.4513, 78.6384, 111.6796

Rectangle

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



83.3600, 78.6384, 98.7809



83.7761, 78.6384, 75.8576



66.7421, 78.6384, 73.6903



66.3846, 78.6384, 96.1943

Sweetspot

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



83.3618, 78.6416, 98.7826



91.5191, 93.5187, 105.9333



75.0000, 74.1852, 104.9740



19.4509, 19.7642, 22.5566



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.



83.3618, 78.6416, 98.7826



81.2336, 74.7872, 96.8340



80.7444, 77.5946, 84.9999



18.6097, 18.2272, 21.8280



26.9537, 13.2708, 29.4705



2.6649, 1.3083, 3.0828

Inverse Universe

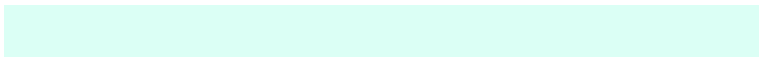
The Inverse Universe completely reimagines the original color for something new.



83.3618, 78.6416, 98.7826



81.2336, 74.7872, 96.8340



81.4263, 93.1614, 99.9179



18.6097, 18.2272, 21.8280



26.9537, 13.2708, 29.4705



2.6649, 1.3083, 3.0828

Previews

White Background



This preview shows how the XYZ color 83.3600, 78.6384, 98.7809 looks on a white background.

Color Contrast Check

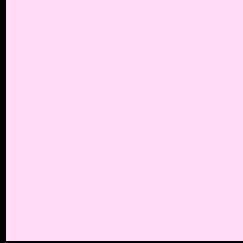
Large Text (above 18pt) WCAG AA × Fail

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 83.3600, 78.6384, 98.7809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

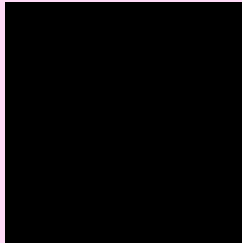
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3600, 78.6384, 98.7809

Background



This preview shows how black text looks on a background with the XYZ color 83.3600, 78.6384, 98.7809.

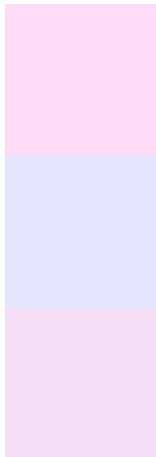


This preview shows how white text looks on a background with the XYZ color 83.3600, 78.6384,

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

83.3600, 78.6384, 98.7809

Protanopia

77.1516, 78.9095, 104.0932

Deuteranopia

80.3305, 78.6623, 98.1382



Tritanopia

82.1621, 78.9568, 91.7987

Trichromacy



Original Color

83.3600, 78.6384, 98.7809

Protanomaly

79.2629, 78.8200, 102.3030

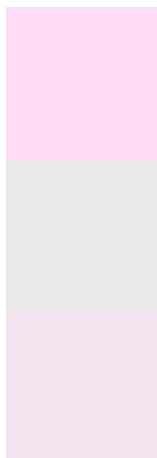
Deuteranomaly

81.4672, 78.8528, 98.1151

Tritanomaly

82.3434, 78.6081, 94.0520

Monochromacy



Original Color

83.3600, 78.6384, 98.7809

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

79.4516, 80.3606, 92.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3600, 78.6384, 98.7809 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, 219, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 247) }
```

Border

The CSS property to change the border of an element to XYZ 83.3600, 78.6384, 98.7809 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, 219, 247) }
```


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

```
.border{ border-color:rgb(255, 219, 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, 219, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3600, 78.6384, 98.7809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 247) }
```

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

```
.background{ background-color: rgb(255,  
219, 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](#).

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