

Converting Colors

XYZ(83.1681, 78.6870, 97.3836)

Have a look what the booklet for
XYZ(83.1681, 78.6870, 97.3836)
contains.

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Color

**XYZ(83.0529, 78.5156,
97.1639)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDBF5
RGB	255, 219, 245
RGB Percent	100%, 86%, 96%
CMY	0.0000, 0.1412, 0.0392
CMYK	0.00, 0.14, 0.04, 0.00
HSL	317°, 100%, 93%
HSV	317°, 14%, 100%
XYZ	83.0529, 78.5156, 97.1639
YIQ	232.7280, 13.1100, 15.7180

Conversions

Conversions Part 2

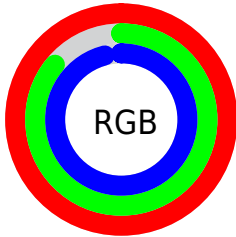
Format	Color
R _Y B	255, 219, 245
Decimal	16767989
CIE _{Lab}	91.01, 16.75, -8.04
CIE _{LCh}	91, 18.577, 334.346
Y _{xy}	78.5156, 0.3210, 0.3035
Android (android.graphics.Color)	4294958069 (0xFFFFDBF5)
YUV	232.7280, 6.0501, 19.5325
Hunter-Lab	88.6090, 12.2416, -2.9879

Details

The XYZ color **83.0529, 78.5156, 97.1639** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **79.1187, 92.2384, 87.7658**, and the grayscale version is **77.1983, 81.2186, 88.4471**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7495, 42.2308, 53.8842** is the 20% darker color. If you saturate the color by 10%, you get **75.8426, 65.7922, 89.5276**, and if you desaturate by 10%, it is **91.3273, 93.2999, 105.3613**.

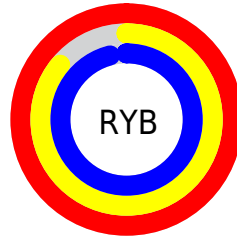
Distribution



Red (100%)

Green (86%)

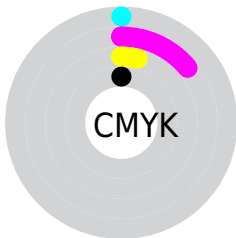
Blue (96%)



Red (100%)

Yellow (86%)

Blue (96%)

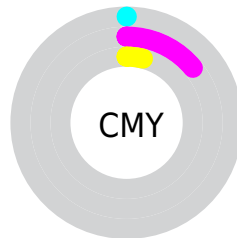


Cyan (0%)

Magenta (14%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0529, 78.5156, 97.1639 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 83.0529, 78.5156, 97.1639 by changing the saturation by 10% instead.


 83.0529, 78.5156,
97.1639

 83.0529, 78.5156,
97.1639


493.7441,
489.9161, 572.2299

 62.5509, 58.4976,
73.3305


136.5777,
131.2767, 159.2720

 45.7352, 42.2088,
53.7528


170.3311,
164.7886, 198.3837

 32.2407, 29.2649,
38.0122


209.2324,
203.5673, 243.4253

 21.7018, 19.2813,
25.6903

253.6469,
247.9972, 294.8152

 13.7534, 11.8737,
16.3684

303.9400,
298.4626, 352.9721

 8.0299, 6.6577,
9.6280

360.4770,

 4.1660, 3.2490,

355.3479, 418.3145

5.0507

423.6232,
419.0376, 491.2609

■ 1.7965, 1.2631,
2.2178

■ 0.5156, 0.1123,
0.6846

■ 83.0529, 78.5156,
97.1639

■ 83.0529, 78.5156,
97.1639

■ 75.8426, 65.7922,
89.5276

■ 91.3273, 93.2999,
105.3613

■ 69.6442, 55.0276,
82.4296

95.0500, 100.0000,
108.9000

■ 64.4093, 46.1252,
75.8525

■ 60.0832, 38.9764,
69.7757

■ 56.6056, 33.4614,
64.1767

■ 53.9086, 29.4452,
59.0306

■ 51.9135, 26.7709,
54.3086

■ 50.5240, 25.2471,
49.9761

■ 49.9091, 24.7276,
47.5808

Harmonies

Analogous

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



79.8301, 78.5156, 108.6315



83.0529, 78.5156, 97.1639



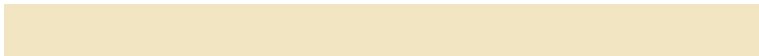
83.9830, 78.5156, 83.5483

Triad

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



83.0529, 78.5156, 97.1639



73.9456, 78.5156, 62.2407



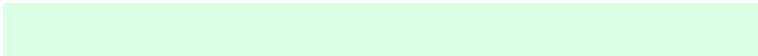
67.4272, 78.5156, 100.9019

Complementary

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



83.0529, 78.5156, 97.1639



79.1187, 92.2384, 87.7658

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.



65.9925, 78.5156, 87.4618



83.0529, 78.5156, 97.1639



69.6545, 78.5156, 65.8934

Square

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



83.0529, 78.5156, 97.1639



78.5987, 78.5156, 64.2621



66.7907, 78.5156, 74.7910



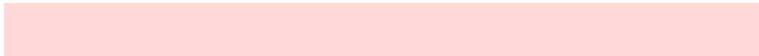
70.7909, 78.5156, 110.9433

Rectangle

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



83.0529, 78.5156, 97.1639



83.1464, 78.5156, 75.2808



66.7907, 78.5156, 74.7910



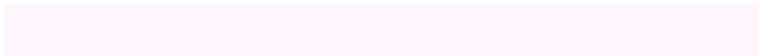
66.7099, 78.5156, 96.5831

Sweetspot

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



83.0547, 78.5188, 97.1656



91.4290, 93.4827, 105.4591



75.5701, 74.4791, 105.0007



19.4281, 19.7550, 22.4363



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.



83.0547, 78.5188, 97.1656



80.8674, 74.6407, 94.9058



80.4941, 77.4946, 83.6816



18.5648, 18.2092, 21.5912



26.1452, 12.9474, 25.2130



2.5921, 1.2792, 2.6993

Inverse Universe

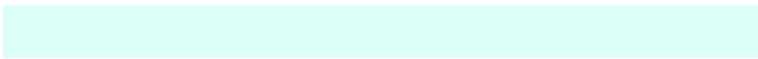
The Inverse Universe completely reimagines the original color for something new.



83.0547, 78.5188, 97.1656



80.8674, 74.6407, 94.9058



81.7022, 93.2718, 101.3706



18.5648, 18.2092, 21.5912



26.1452, 12.9474, 25.2130



2.5921, 1.2792, 2.6993

Previews

White Background



This preview shows how the XYZ color 83.0529, 78.5156, 97.1639 looks on a white background.

Color Contrast Check

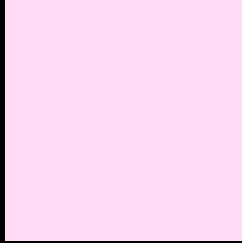
Large Text (above 18pt) WCAG AA × Fail

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 83.0529, 78.5156, 97.1639 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 83.0529, 78.5156, 97.1639

Background



This preview shows how black text looks on a background with the XYZ color 83.0529, 78.5156, 97.1639.



This preview shows how white text looks on a background with the XYZ color 83.0529, 78.5156,

97.1639.

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

83.0529, 78.5156, 97.1639

Protanopia

76.6773, 78.7198, 101.5956

Deuteranopia

80.3730, 78.7195, 96.5462



Tritanopia

81.7523, 78.3717, 90.9392

Trichromacy



Original Color

83.0529, 78.5156, 97.1639

Protanomaly

78.7935, 78.6323, 99.8316

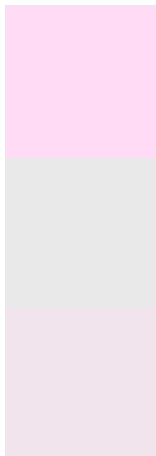
Deuteranomaly

81.5173, 78.9139, 96.5234

Tritanomaly

82.1944, 78.5485, 93.2673

Monochromacy



Original Color

83.0529, 78.5156, 97.1639

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

79.3051, 80.3020, 91.4408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0529, 78.5156, 97.1639 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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(255, 219, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.0529, 78.5156, 97.1639 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, 245) }
```


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

```
.border{ border-color:rgb(255, 219, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0529, 78.5156, 97.1639 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, 245) }
```

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

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