

Converting Colors

XYZ(83.2918, 78.7396, 98.0928)

Have a look what the booklet for
XYZ(83.2918, 78.7396, 98.0928)
contains.

XYZ(83.2061, 78.5769, 97.9702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(83.2061, 78.5769,
97.9702)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDBF6
RGB	255, 219, 246
RGB Percent	100%, 86%, 96%
CMY	0.0000, 0.1412, 0.0353
CMYK	0.00, 0.14, 0.04, 0.00
HSL	315°, 100%, 93%
HSV	315°, 14%, 100%
XYZ	83.2061, 78.5769, 97.9702
YIQ	232.8420, 12.7890, 16.0290

Conversions

Conversions Part 2

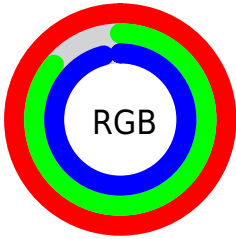
Format	Color
R _Y B	255, 219, 246
Decimal	16767990
CIE Lab	91.04, 16.92, -8.53
CIE LCh	91, 18.946, 333.256
Yxy	78.5769, 0.3203, 0.3025
Android (android.graphics.Color)	4294958070 (0xFFFFDBF6)
YUV	232.8420, 6.4869, 19.4326
Hunter-Lab	88.6436, 12.4243, -3.4776

Details

The XYZ color **83.2061, 78.5769, 97.9702** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.9794, 92.1827, 87.0325**, and the grayscale version is **77.2810, 81.3056, 88.5418**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8584, 42.2744, 54.4580** is the 20% darker color. If you saturate the color by 10%, you get **76.0947, 65.8931, 90.8554**, and if you desaturate by 10%, it is **91.3736, 93.3184, 105.6049**.

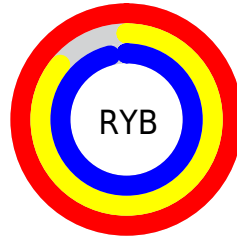
Distribution



Red (100%)

Green (86%)

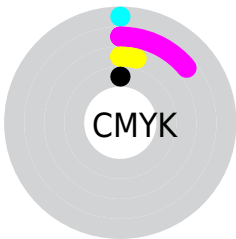
Blue (96%)



Red (100%)

Yellow (86%)

Blue (96%)

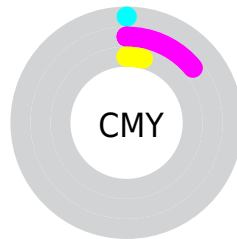


Cyan (0%)

Magenta (14%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2061, 78.5769, 97.9702 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 83.2061, 78.5769, 97.9702 by changing the saturation by 10% instead.

83.2061, 78.5769,
97.9702

83.2061, 78.5769,
97.9702

494.2467,
490.1238, 574.8561

62.6777, 58.5480,
73.9990

136.7911,
131.3631, 160.3924

45.8382, 42.2494,
54.2965

170.5784,
164.8891, 199.6806

32.3222, 29.2966,
38.4439

209.5160,
203.6830, 244.9115

21.7645, 19.3053,
26.0229

253.9694,
248.1291, 296.5037

13.7996, 11.8911,
16.6149

304.3037,
298.6119, 354.8757

8.0622, 6.6696,
9.8012

360.8845,

4.1869, 3.2563,

355.5156, 420.4461

5.1635

424.0770,
419.2248, 493.6334

■ 1.8084, 1.2670,
2.2831

■ 0.5227, 0.1154,
0.7217

■ 83.2061, 78.5769,
97.9702

■ 83.2061, 78.5769,
97.9702

■ 76.0947, 65.8931,
90.8554

■ 91.3736, 93.3184,
105.6049

■ 69.9877, 55.1650,
84.2383

95.0500, 100.0000,
108.9000

■ 64.8365, 46.2961,
78.1023

■ 60.5868, 39.1779,
72.4275

■ 57.1782, 33.6905,
67.1921

■ 54.5431, 29.6989,
62.3718

■ 52.6029, 27.0467,
57.9386

■ 51.2614, 25.5420,
53.8587

■ 50.6715, 25.0326,
51.5954

Harmonies

Analogous

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



79.8448, 78.5769, 109.5363



83.2061, 78.5769, 97.9702



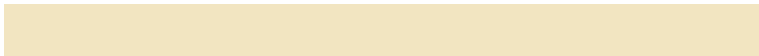
84.2522, 78.5769, 84.0690

Triad

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



83.2061, 78.5769, 97.9702



74.1636, 78.5769, 61.8545



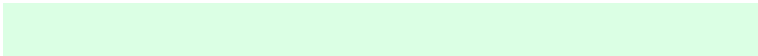
67.2526, 78.5769, 100.8350

Complementary

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



83.2061, 78.5769, 97.9702



78.9794, 92.1827, 87.0325

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.



65.8709, 78.5769, 87.0623



83.2061, 78.5769, 97.9702



69.7524, 78.5769, 65.3605

Square

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



83.2061, 78.5769, 97.9702



78.9021, 78.5769, 64.1177



66.7664, 78.5769, 74.2391



70.6209, 78.5769, 111.3104

Rectangle

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



83.2061, 78.5769, 97.9702



83.4607, 78.5769, 75.5692



66.7664, 78.5769, 74.2391



66.5471, 78.5769, 96.3880

Sweetspot

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



83.2078, 78.5801, 97.9719



91.4740, 93.5007, 105.6960



75.3794, 74.3809, 104.9918



19.4395, 19.7596, 22.4964



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.



83.2078, 78.5801, 97.9719



81.0499, 74.7137, 95.8667



80.5773, 77.5278, 84.1195



18.5872, 18.2182, 21.7094



26.5399, 13.1053, 27.2913



2.6278, 1.2935, 2.8872

Inverse Universe

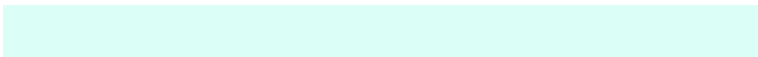
The Inverse Universe completely reimagines the original color for something new.



83.2078, 78.5801, 97.9719



81.0499, 74.7137, 95.8667



81.6100, 93.2349, 100.8848



18.5872, 18.2182, 21.7094



26.5399, 13.1053, 27.2913



2.6278, 1.2935, 2.8872

Previews

White Background



This preview shows how the XYZ color 83.2061, 78.5769, 97.9702 looks on a white background.

Color Contrast Check

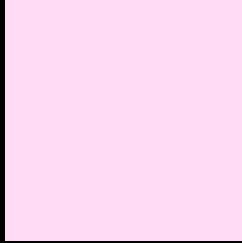
Large Text (above 18pt) WCAG AA × Fail

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 83.2061, 78.5769, 97.9702 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 83.2061, 78.5769, 97.9702

Background



This preview shows how black text looks on a background with the XYZ color 83.2061, 78.5769, 97.9702.



This preview shows how white text looks on a background with the XYZ color 83.2061, 78.5769,

97.9702.

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

83.2061, 78.5769, 97.9702

Protanopia

76.9926, 78.8460, 103.2563

Deuteranopia

80.5253, 78.7804, 97.3482



Tritanopia

81.8989, 78.4303, 91.7109

Trichromacy



Original Color

83.2061, 78.5769, 97.9702

Protanomaly

79.1056, 78.7571, 101.4748

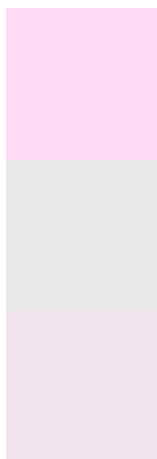
Deuteranomaly

81.6696, 78.9749, 97.3254

Tritanomaly

82.3434, 78.6081, 94.0520

Monochromacy



Original Color

83.2061, 78.5769, 97.9702

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 83.2061, 78.5769, 97.9702 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 246) }
```

Border

The CSS property to change the border of an element to XYZ 83.2061, 78.5769, 97.9702 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, 246) }
```


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

```
.border{ border-color:rgb(255, 219, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2061, 78.5769, 97.9702 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
219, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor