

Converting Colors

XYZ(83.5466, 77.6381,
105.1900)

Have a look what the booklet for
XYZ(83.5466, 77.6381, 105.1900)
contains.

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Color

**XYZ(83.7359, 77.9165,
105.2338)**

Conversions

Conversions Part 1

Format	Color
Hex	FED9FF
RGB	254, 217, 255
RGB Percent	100%, 85%, 100%
CMY	0.0039, 0.1490, 0.0000
CMYK	0.00, 0.15, 0.00, 0.00
HSL	298°, 100%, 93%
HSV	298°, 15%, 100%
XYZ	83.7359, 77.9165, 105.2338
YIQ	232.3950, 9.8540, 19.6620

Conversions

Conversions Part 2

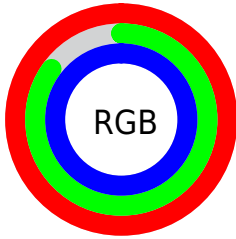
Format	Color
R_{YB}	254, 217, 255
Decimal	16701951
CIE _{Lab}	90.74, 19.23, -13.70
CIE _{LCh}	91, 23.611, 324.525
Yxy	77.9165, 0.3138, 0.2919
Android (android.graphics.Color)	4294892031 (0xFF FED9FF)
YUV	232.3950, 11.1443, 18.9476
Hunter-Lab	88.2703, 14.8574, -8.8949

Details

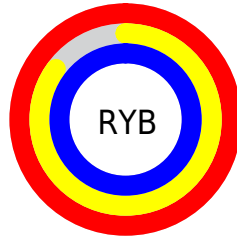
The XYZ color **83.7359, 77.9165, 105.2338** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.1997, 91.4361, 79.2296**, and the grayscale version is **76.9134, 80.9189, 88.1206**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1393, 41.7882, 59.0602** is the 20% darker color. If you saturate the color by 10%, you get **77.4202, 65.6475, 103.1985**, and if you desaturate by 10%, it is **91.0722, 92.2235, 107.6086**.

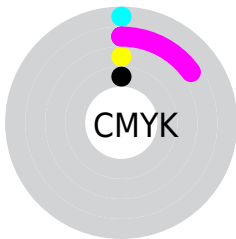
Distribution



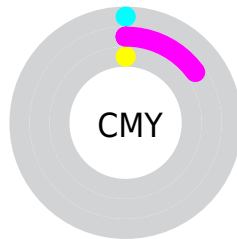
- Red (100%)
- Green (85%)
- Blue (100%)



- Red (100%)
- Yellow (85%)
- Blue (100%)



- Cyan (0%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7359, 77.9165, 105.2338 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 83.7359, 77.9165, 105.2338 by changing the saturation by 10% instead.


 83.7359, 77.9165,
105.2338

 83.7359, 77.9165,
105.2338


495.9827,
487.8832, 598.2349

 63.1164, 58.0054,
80.0375


137.5289,
130.4324, 170.4456

 46.1944, 41.8130,
59.2229


171.4330,
163.8060, 211.2982

 32.6045, 28.9549,
42.3714


210.4961,
202.4359, 258.2066

 21.9814, 19.0467,
29.0644

255.0834,
246.7064, 311.5893

 13.9598, 11.7040,
18.8836

305.5604,
297.0020, 371.8650

 8.1742, 6.5425,
11.4102

362.2924,

 4.2594, 3.1777,

353.7071, 439.4521

6.2258

425.6447,
417.2060, 514.7693

■ 1.8499, 1.2252,
2.9119

■ 0.5475, 0.0821,
1.0498

■ 83.7359, 77.9165,
105.2338

■ 83.7359, 77.9165,
105.2338

■ 77.4202, 65.6475,
103.1985

■ 91.0722, 92.2235,
107.6086

■ 72.0722, 55.3137,
101.4857

95.0500, 100.0000,
108.9000

■ 67.6440, 46.8182,
100.0793

■ 64.0811, 40.0518,
98.9611

■ 61.3229, 34.8938,
98.1108

■ 59.3015, 31.2081,
97.5060

■ 57.9375, 28.8359,
97.1200

■ 57.1333, 27.5820,
96.9203

■ 56.8679, 27.2313,
96.8666

Harmonies

Analogous

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



78.8916, 77.9165, 118.1474



83.7359, 77.9165, 105.2338



85.9965, 77.9165, 87.9913

Triad

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



83.7359, 77.9165, 105.2338



75.1504, 77.9165, 56.3080



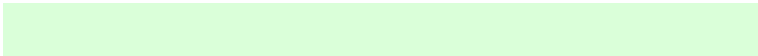
64.1612, 77.9165, 99.1268

Complementary

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



83.7359, 77.9165, 105.2338



77.1997, 91.4361, 79.2296

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.



63.2776, 77.9165, 81.7606



83.7359, 77.9165, 105.2338



69.4246, 77.9165, 58.4632

Square

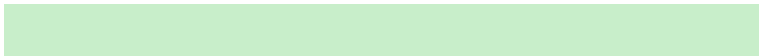
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7359, 77.9165, 105.2338



80.8731, 77.9165, 60.9275



65.1548, 77.9165, 67.2637



67.6356, 77.9165, 114.3049

Rectangle

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



83.7359, 77.9165, 105.2338



85.6518, 77.9165, 76.9087



65.1548, 77.9165, 67.2637



63.5594, 77.9165, 93.2940

Sweetspot

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



83.7380, 77.9198, 105.2343



91.7834, 93.6131, 107.8394



71.8090, 72.2567, 104.7699



19.5180, 19.7881, 23.0407



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.



83.7380, 77.9198, 105.2343



81.6727, 73.9020, 104.5676



81.3798, 77.0188, 90.9042



18.7427, 18.2746, 22.7895



29.7359, 14.2399, 50.6159



2.9096, 1.3939, 4.9290

Inverse Universe

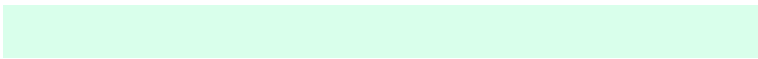
The Inverse Universe completely reimagines the original color for something new.



78.7097, 75.9508, 76.8439



75.7360, 71.5784, 70.9971



79.3343, 92.2555, 92.0234



18.0287, 17.9948, 18.7684



21.5763, 11.1198, 1.1534



2.1073, 1.0853, 0.1465

Previews

White Background



This preview shows how the XYZ color 83.7359, 77.9165, 105.2338 looks on a white background.

Color Contrast Check

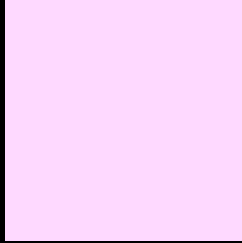
Large Text (above 18pt) WCAG AA × Fail

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 83.7359, 77.9165, 105.2338 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 83.7359, 77.9165, 105.2338

Background



This preview shows how black text looks on a background with the XYZ color 83.7359, 77.9165, 105.2338.

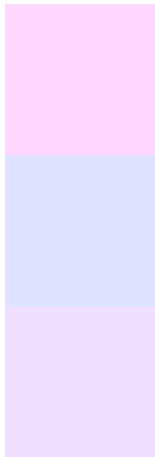


This preview shows how white text looks on a background with the XYZ color 83.7359, 77.9165,

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

83.7359, 77.9165, 105.2338

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

79.6073, 77.7490, 104.5772



Tritanopia

80.6629, 77.8101, 90.8882

Trichromacy



Original Color

83.7359, 77.9165, 105.2338

Protanomaly

78.6986, 77.6575, 105.4493

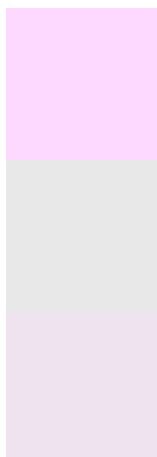
Deuteranomaly

80.7908, 77.5753, 104.4813

Tritanomaly

81.8055, 77.8901, 96.3106

Monochromacy



Original Color

83.7359, 77.9165, 105.2338

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

79.1324, 79.7547, 93.6615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7359, 77.9165, 105.2338 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(254, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 217, 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(254, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.7359, 77.9165, 105.2338 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(254, 217, 255) }
```


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

```
.border{ border-color:rgb(254, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7359, 77.9165, 105.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 217, 255) }
```

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

```
.background{ background-color: rgb(254,  
217, 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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