

Converting Colors

XYZ(87.3413, 79.4478,
103.7840)

Have a look what the booklet for
XYZ(87.3413, 79.4478, 103.7840)
contains.

XYZ(83.5255, 77.4636, 103.4782)	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(83.5255, 77.4636,
103.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8FD
RGB	255, 216, 253
RGB Percent	100%, 85%, 99%
CMY	0.0000, 0.1529, 0.0078
CMYK	0.00, 0.15, 0.01, 0.00
HSL	303°, 100%, 92%
HSV	303°, 15%, 100%
XYZ	83.5255, 77.4636, 103.4782
YIQ	231.8790, 11.3670, 19.7750

Conversions

Conversions Part 2

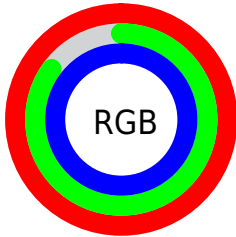
Format	Color
R _Y B	255, 216, 253
Decimal	16767229
CIE Lab	90.53, 19.72, -12.95
CIE LCh	91, 23.594, 326.699
Yxy	77.4636, 0.3158, 0.2929
Android (android.graphics.Color)	4294957309 (0xFFFFD8FD)
YUV	231.8790, 10.4127, 20.2771
Hunter-Lab	88.0134, 15.3746, -8.0984

Details

The XYZ color **83.5255, 77.4636, 103.4782** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.7361, 91.1820, 79.8882**, and the grayscale version is **76.5315, 80.5171, 87.6831**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9974, 41.4810, 57.8069** is the 20% darker color. If you saturate the color by 10%, you get **77.2855, 65.3153, 100.3755**, and if you desaturate by 10%, it is **90.7841, 91.6460, 106.9297**.

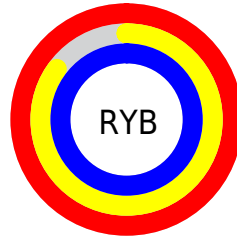
Distribution



Red (100%)

Green (85%)

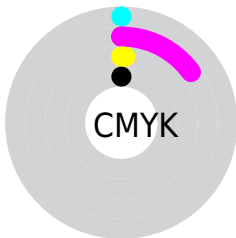
Blue (99%)



Red (100%)

Yellow (85%)

Blue (99%)

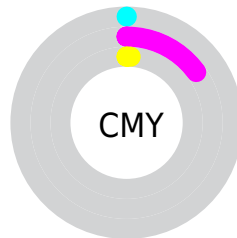


Cyan (0%)

Magenta (15%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5255, 77.4636, 103.4782 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 83.5255, 77.4636, 103.4782 by changing the saturation by 10% instead.


 83.5255, 77.4636,
103.4782

 83.5255, 77.4636,
103.4782


495.2937,
486.3432, 592.6291

 62.9421, 57.6334,
78.5755


137.2359,
129.7937, 168.0223

 46.0529, 41.5140,
58.0276


171.0937,
163.0624, 208.5007

 32.4923, 28.7210,
41.4160


210.1070,
201.5795, 255.0082

 21.8952, 18.8698,
28.3221

254.6412,
245.7292, 307.9631

 13.8961, 11.5763,
18.3275

305.0616,
295.8961, 367.7842

 8.1296, 6.4558,
11.0135

361.7335,

 4.2305, 3.1242,

352.4644, 434.8898

5.9616

425.0225,
415.8187, 509.6986

■ 1.8334, 1.1969,
2.7533

■ 0.5376, 0.0592,
0.9701

■ 83.5255, 77.4636,
103.4782

■ 83.5255, 77.4636,
103.4782

■ 77.2855, 65.3153,
100.3755

■ 90.7841, 91.6460,
106.9297

■ 72.0123, 55.0988,
97.6009

95.0500, 100.0000,
108.9000

■ 67.6575, 46.7166,
95.1395

■ 64.1661, 40.0592,
92.9730

■ 61.4776, 35.0053,
91.0810

■ 59.5236, 31.4180,
89.4408

■ 58.2241, 29.1375,
88.0258

■ 57.4806, 27.9667,
86.8030

■ 57.2565, 27.6666,
86.2717

Harmonies

Analogous

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



78.8446, 77.4636, 116.8418



83.5255, 77.4636, 103.4782



85.5482, 77.4636, 86.2302

Triad

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



83.5255, 77.4636, 103.4782



74.2823, 77.4636, 55.8791



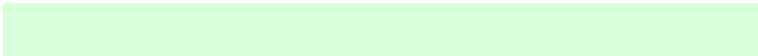
63.9461, 77.4636, 99.8073

Complementary

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



83.5255, 77.4636, 103.4782



76.7361, 91.1820, 79.8882

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.



62.8679, 77.4636, 82.4868



83.5255, 77.4636, 103.4782



68.6445, 77.4636, 58.5121

Square

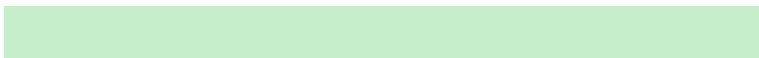
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



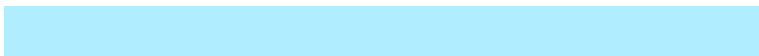
83.5255, 77.4636, 103.4782



80.0353, 77.4636, 59.9911



64.5428, 77.4636, 67.7283



67.5699, 77.4636, 114.5313

Rectangle

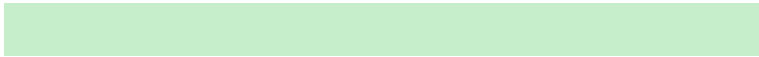
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5255, 77.4636, 103.4782



85.0410, 77.4636, 75.3458



64.5428, 77.4636, 67.7283



63.2826, 77.4636, 94.0330

Sweetspot

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



83.5272, 77.4667, 103.4798



91.0115, 92.0912, 107.0357



71.5075, 71.2333, 104.5883



19.3633, 19.4825, 22.8555



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.



83.5272, 77.4667, 103.4798



81.7385, 73.9794, 102.6056



80.5845, 76.2896, 87.9839



18.7501, 18.2833, 22.5671



29.9353, 14.4634, 45.1711



2.9266, 1.4130, 4.4606

Inverse Universe

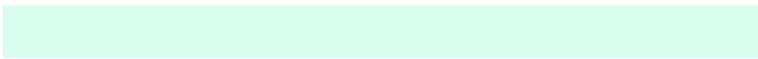
The Inverse Universe completely reimagines the original color for something new.



83.5272, 77.4667, 103.4798



81.7385, 73.9794, 102.6056



79.4329, 92.2607, 94.0895



18.7501, 18.2833, 22.5671



29.9353, 14.4634, 45.1711



2.9266, 1.4130, 4.4606

Previews

White Background



This preview shows how the XYZ color 83.5255, 77.4636, 103.4782 looks on a white background.

Color Contrast Check

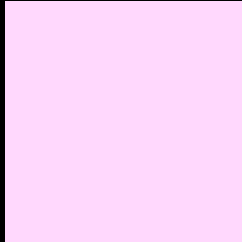
Large Text (above 18pt) WCAG AA × Fail

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 83.5255, 77.4636, 103.4782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

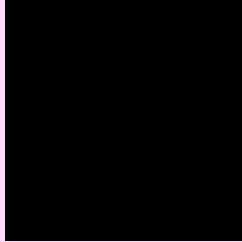
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5255, 77.4636, 103.4782

Background



This preview shows how black text looks on a background with the XYZ color 83.5255, 77.4636, 103.4782.



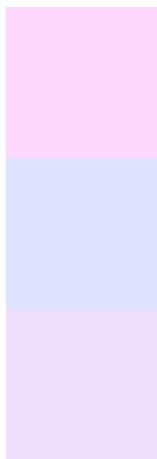
This preview shows how white text looks on a background with the XYZ color 83.5255, 77.4636,

103.4782.

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

83.5255, 77.4636, 103.4782

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

79.2886, 77.6215, 102.8990



Tritanopia

80.9799, 77.6018, 90.0674

Trichromacy



Original Color

83.5255, 77.4636, 103.4782

Protanomaly

78.5380, 77.5933, 104.6035

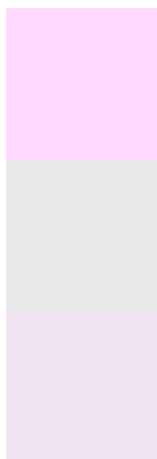
Deuteranomaly

80.8201, 77.6272, 102.8193

Tritanomaly

81.9715, 77.6244, 94.6671

Monochromacy



Original Color

83.5255, 77.4636, 103.4782

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

78.8597, 79.2092, 93.5706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5255, 77.4636, 103.4782 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, 216, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 253)  
}
```

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, 216, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 253) }
```

Border

The CSS property to change the border of an element to XYZ 83.5255, 77.4636, 103.4782 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, 216, 253) }
```


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

```
.border{ border-color:rgb(255, 216, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5255, 77.4636, 103.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 253) }
```

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

```
.background{ background-color: rgb(255,  
216, 253) }
```

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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