

Converting Colors

XYZ(83.5015, 77.2513,
103.9771)

Have a look what the booklet for
XYZ(83.5015, 77.2513, 103.9771)
contains.

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Color

**XYZ(83.6853, 77.5275,
104.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD8FE
RGB	255, 216, 254
RGB Percent	100%, 85%, 100%
CMY	0.0000, 0.1529, 0.0039
CMYK	0.00, 0.15, 0.00, 0.00
HSL	302°, 100%, 92%
HSV	302°, 15%, 100%
XYZ	83.6853, 77.5275, 104.3195
YIQ	231.9930, 11.0460, 20.0860

Conversions

Conversions Part 2

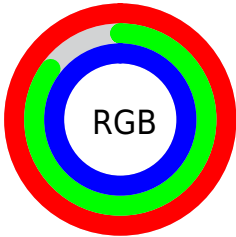
Format	Color
R _Y B	255, 216, 254
Decimal	16767230
CIE Lab	90.56, 19.90, -13.44
CIE LCh	91, 24.010, 325.974
Yxy	77.5275, 0.3152, 0.2920
Android (android.graphics.Color)	4294957310 (0xFFFFD8FE)
YUV	231.9930, 10.8495, 20.1771
Hunter-Lab	88.0497, 15.5652, -8.6108

Details

The XYZ color **83.6853, 77.5275, 104.3195** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.6056, 91.1298, 79.2009**, and the grayscale version is **76.6137, 80.6036, 87.7773**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1116, 41.5267, 58.4084** is the 20% darker color. If you saturate the color by 10%, you get **77.5484, 65.4205, 101.7598**, and if you desaturate by 10%, it is **90.8396, 91.6682, 107.2223**.

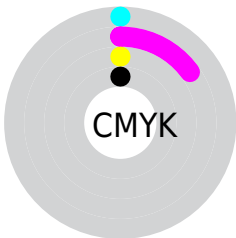
Distribution



- 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 83.6853, 77.5275, 104.3195 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 83.6853, 77.5275, 104.3195 by changing the saturation by 10% instead.

83.6853, 77.5275,
104.3195

83.6853, 77.5275,
104.3195

495.8171,
486.5607, 595.3189

63.0745, 57.6859,
79.2759

137.4584,
129.8838, 169.1841

46.1603, 41.5562,
58.6000

171.3514,
163.1674, 209.8421

32.5775, 28.7539,
41.8733

210.4025,
201.7004, 256.5420

21.9607, 18.8948,
28.6773

254.9771,
245.8672, 309.7024

13.9445, 11.5943,
18.5934

305.4405,
296.0522, 369.7417

8.1635, 6.4680,
11.2030

362.1580,

4.2524, 3.1317,

352.6399, 437.0786

6.0877

425.4951,
416.0146, 512.1315

■ 1.8459, 1.2009,
2.8288

■ 0.5451, 0.0624,
1.0079

■ 83.6853, 77.5275,
104.3195

■ 83.6853, 77.5275,
104.3195

■ 77.5484, 65.4205,
101.7598

■ 90.8396, 91.6682,
107.2223

■ 72.3773, 55.2448,
99.5227

95.0500, 100.0000,
108.9000

■ 68.1234, 46.9030,
97.5931

■ 64.7319, 40.2855,
95.9527

■ 62.1424, 35.2712,
94.5814

■ 60.2861, 31.7230,
93.4563

■ 59.0834, 29.4812,
92.5507

■ 58.4356, 28.3487,
91.8319

■ 58.2562, 28.0665,
91.5360

Harmonies

Analogous

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



78.8651, 77.5275, 117.7971



83.6853, 77.5275, 104.3195



85.8258, 77.5275, 86.7591

Triad

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



83.6853, 77.5275, 104.3195



74.5018, 77.5275, 55.5187



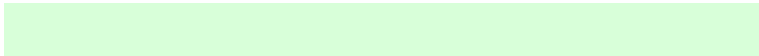
63.7799, 77.5275, 99.7534

Complementary

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



83.6853, 77.5275, 104.3195



76.6056, 91.1298, 79.2009

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.



62.7514, 77.5275, 82.1121



83.6853, 77.5275, 104.3195



68.7417, 77.5275, 58.0217

Square

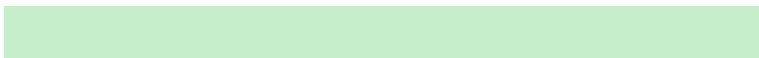
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



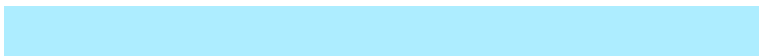
83.6853, 77.5275, 104.3195



80.3445, 77.5275, 59.8501



64.5196, 77.5275, 67.2173



67.4089, 77.5275, 114.9194

Rectangle

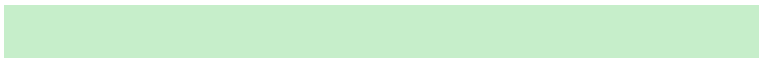
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6853, 77.5275, 104.3195



85.3643, 77.5275, 75.6305



64.5196, 77.5275, 67.2173



63.1274, 77.5275, 93.8531

Sweetspot

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



83.6869, 77.5305, 104.3211



91.0641, 92.1122, 107.3122



71.1204, 71.0337, 104.5702



19.3761, 19.4877, 22.9230



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.



83.6869, 77.5305, 104.3211



81.9263, 74.0545, 103.5946



80.7715, 76.3643, 88.9686



18.7714, 18.2919, 22.6793



30.4492, 14.6690, 47.8773



2.9709, 1.4307, 4.6939

Inverse Universe

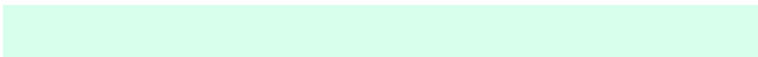
The Inverse Universe completely reimagines the original color for something new.



83.6869, 77.5305, 104.3211



81.9263, 74.0545, 103.5946



79.2431, 92.1848, 93.0902



18.7714, 18.2919, 22.6793



30.4492, 14.6690, 47.8773



2.9709, 1.4307, 4.6939

Previews

White Background



This preview shows how the XYZ color 83.6853, 77.5275, 104.3195 looks on a white background.

Color Contrast Check

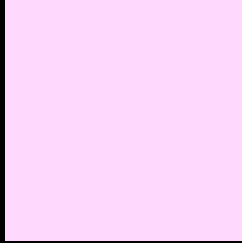
Large Text (above 18pt) WCAG AA × Fail

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 83.6853, 77.5275, 104.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

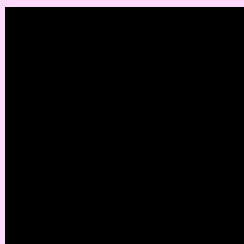
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6853, 77.5275, 104.3195

Background



This preview shows how black text looks on a background with the XYZ color 83.6853, 77.5275, 104.3195.



This preview shows how white text looks on a background with the XYZ color 83.6853, 77.5275,

104.3195.

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

83.6853, 77.5275, 104.3195

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

79.4475, 77.6851, 103.7359



Tritanopia

80.6167, 77.4146, 90.0504

Trichromacy



Original Color

83.6853, 77.5275, 104.3195

Protanomaly

78.6986, 77.6575, 105.4493

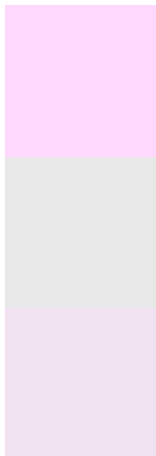
Deuteranomaly

80.9790, 77.6907, 103.6563

Tritanomaly

81.7571, 77.4965, 95.4433

Monochromacy



Original Color

83.6853, 77.5275, 104.3195

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 83.6853, 77.5275, 104.3195 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 254) }
```

Border

The CSS property to change the border of an element to XYZ 83.6853, 77.5275, 104.3195 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, 254) }
```


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

```
.border{ border-color:rgb(255, 216, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6853, 77.5275, 104.3195 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
216, 254) }
```

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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