

Converting Colors

XYZ(78.0977, 68.6900,
101.6121)

Have a look what the booklet for
XYZ(78.0977, 68.6900, 101.6121)
contains.

XYZ(77.7778, 68.3844, 101.1956)	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(77.7778, 68.3844,
101.1956)**

Conversions

Conversions Part 1

Format	Color
Hex	FBC7FC
RGB	251, 199, 252
RGB Percent	98%, 78%, 99%
CMY	0.0157, 0.2196, 0.0118
CMYK	0.00, 0.21, 0.00, 0.01
HSL	299°, 90%, 88%
HSV	299°, 21%, 99%
XYZ	77.7778, 68.3844, 101.1956
YIQ	220.5900, 13.9790, 27.5070

Conversions

Conversions Part 2

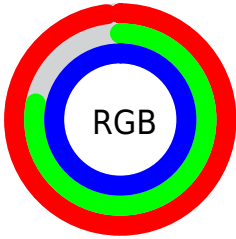
Format	Color
R _Y B	251, 199, 252
Decimal	16500732
CIE _{Lab}	86.20, 27.16, -18.97
CIE _{LCh}	86, 33.134, 325.065
Y _{xy}	68.3844, 0.3144, 0.2765
Android (android.graphics.Color)	4294690812 (0xFFFB7FC)
Y _{UV}	220.5900, 15.4851, 26.6696
Hunter-Lab	82.6949, 23.1703, -14.6681

Details

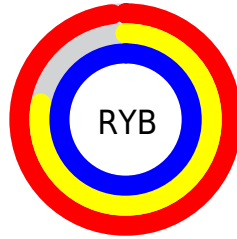
The XYZ color **77.7778, 68.3844, 101.1956** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.9410, 86.0254, 67.0073**, and the grayscale version is **68.3298, 71.8883, 78.2864**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2239, 35.6603, 56.2874** is the 20% darker color. If you saturate the color by 10%, you get **72.2827, 57.6468, 99.4137**, and if you desaturate by 10%, it is **84.2376, 81.0483, 103.3005**.

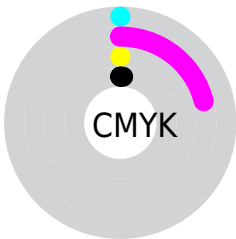
Distribution



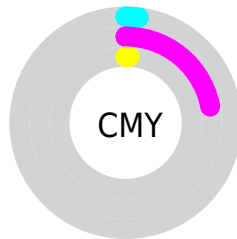
- Red (98%)
- Green (78%)
- Blue (99%)



- Red (98%)
- Yellow (78%)
- Blue (99%)



- Cyan (0%)
- Magenta (21%)
- Yellow (0%)
- Black (1%)



- Cyan (2%)
- Magenta (22%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7778, 68.3844, 101.1956 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 77.7778, 68.3844, 101.1956 by changing the saturation by 10% instead.

77.7778, 68.3844,
101.1956

77.7778, 68.3844,
101.1956

476.2632,
454.8568, 585.2985

58.1936, 50.2105,
76.6770

129.2039,
116.9019, 164.8654

42.2082, 35.5807,
56.4778

161.7765,
148.0143, 204.8537

29.4562, 24.1105,
40.1796

199.4092,
184.2083, 250.8356

19.5722, 15.4156,
27.3637

242.4675,
225.8684, 303.2297

12.1909, 9.1116,
17.6117

291.3167,
273.3789, 362.4545

6.9469, 4.8141,
10.5050

346.3222,

3.4750, 2.1386,

327.1242, 428.9285

5.6251

407.8492,
387.4887, 503.0703

■ 1.4096, 0.6862,
2.5534

■ 0.2631, 0.0000,
0.8683

■ 77.7778, 68.3844,
101.1956

■ 77.7778, 68.3844,
101.1956

■ 72.2827, 57.6468,
99.4137

■ 84.2376, 81.0483,
103.3005

■ 67.6987, 48.7321,
97.9345

■ 91.6998, 95.7175,
105.7387

■ 63.9768, 41.5408,
96.7427

■ 93.6308, 99.3237,
106.3330

■ 61.0606, 35.9604,
95.8192

■ 93.8035, 99.4127,
106.3410

■ 58.8873, 31.8651, 93.9766, 99.5020,
95.1433 106.3491

■ 57.3845, 29.1103, 94.1502, 99.5915,
94.6908 106.3573

■ 56.4657, 27.5226, 94.3243, 99.6812,
94.4328 106.3654

■ 56.0164, 26.8477, 94.4987, 99.7712,
94.3262 106.3736

94.5709, 99.8083,
106.3770

Harmonies

Analogous

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



71.4110, 68.3844, 119.3565



77.7778, 68.3844, 101.1956



80.7320, 68.3844, 78.1311

Triad

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



77.7778, 68.3844, 101.1956



66.2672, 68.3844, 39.9609



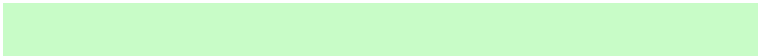
52.5965, 68.3844, 93.7093

Complementary

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



77.7778, 68.3844, 101.1956



68.9410, 86.0254, 67.0073

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.



51.4527, 68.3844, 70.9038



77.7778, 68.3844, 101.1956



58.9797, 68.3844, 42.5234

Square

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



77.7778, 68.3844, 101.1956



73.7631, 68.3844, 45.0594



53.6997, 68.3844, 52.9026



56.9551, 68.3844, 114.4755

Rectangle

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



77.7778, 68.3844, 101.1956



80.2135, 68.3844, 64.0662



53.6997, 68.3844, 52.9026



51.8385, 68.3844, 85.9189

Sweetspot

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



77.7799, 68.3874, 101.1971



90.2558, 90.5690, 107.3323



61.9592, 60.8384, 100.5738



19.2117, 19.1756, 22.9387



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.



77.7799, 68.3874, 101.1971



77.5344, 65.6234, 103.1878



74.4725, 67.1061, 81.8962



17.9588, 17.5069, 21.8179



29.1944, 13.9930, 49.1357



2.7140, 1.3012, 4.5513

Inverse Universe

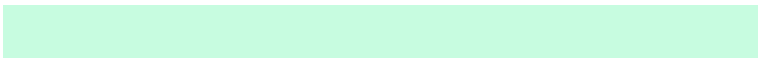
The Inverse Universe completely reimagines the original color for something new.



70.9960, 65.7155, 63.5892



69.4900, 62.4566, 58.5251



71.7844, 87.1320, 83.3688



17.2579, 17.2305, 17.9479



20.9314, 10.7883, 1.0813



1.9431, 1.0010, 0.1239

Previews

White Background



This preview shows how the XYZ color 77.7778, 68.3844, 101.1956 looks on a white background.

Color Contrast Check

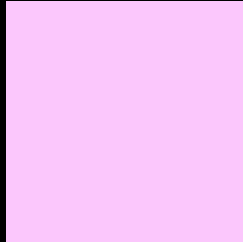
Large Text (above 18pt) WCAG AA × Fail

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 77.7778, 68.3844, 101.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

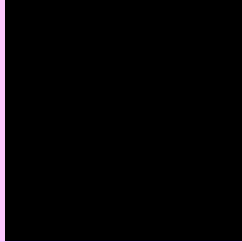
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7778, 68.3844, 101.1956

Background



This preview shows how black text looks on a background with the XYZ color 77.7778, 68.3844, 101.1956.



This preview shows how white text looks on a background with the XYZ color 77.7778, 68.3844,

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

77.7778, 68.3844, 101.1956

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

70.3684, 68.8628, 100.0255



Tritanopia

73.2402, 68.6573, 77.7986

Trichromacy



Original Color

77.7778, 68.3844, 101.1956



Protanomaly

71.1213, 68.4447, 103.2286



Deuteranomaly

73.0041, 68.7465, 100.6885



Tritanomaly

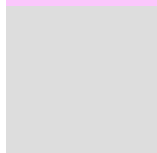
74.6328, 68.4945, 85.6311

Monochromacy



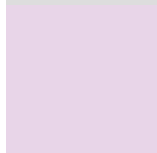
Original Color

77.7778, 68.3844, 101.1956



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

71.6384, 70.5705, 86.1896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7778, 68.3844, 101.1956 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(251, 199, 252)` looks like.

```
.text, #text, p{  
    color:rgb(251, 199, 252)  
}
```

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(251, 199, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 199, 252) }
```

Border

The CSS property to change the border of an element to XYZ 77.7778, 68.3844, 101.1956 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(251, 199, 252) }
```


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

```
.border{ border-color:rgb(251, 199, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 199, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 199, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 199, 252);  
box-shadow:4px 4px 4px 4px rgb(251, 199,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7778, 68.3844, 101.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 199, 252) }
```

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

```
.background{ background-color: rgb(251,  
199, 252) }
```

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