

Converting Colors

XYZ(83.1707, 78.3900,
105.3549)

Have a look what the booklet for
XYZ(83.1707, 78.3900, 105.3549)
contains.

XYZ(83.1652, 78.3923, 105.3557)	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(83.1652, 78.3923,
105.3557)**

Conversions

Conversions Part 1

Format	Color
Hex	FBDBFF
RGB	251, 219, 255
RGB Percent	98%, 86%, 100%
CMY	0.0157, 0.1412, 0.0000
CMYK	0.02, 0.14, 0.00, 0.00
HSL	293°, 100%, 93%
HSV	293°, 14%, 100%
XYZ	83.1652, 78.3923, 105.3557
YIQ	232.6720, 7.5160, 17.9800

Conversions

Conversions Part 2

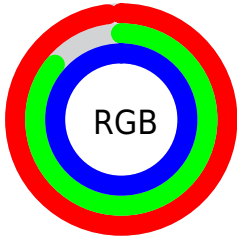
Format	Color
R_{YB}	251, 219, 255
Decimal	16505855
CIE _{Lab}	90.96, 17.20, -13.41
CIE _{LCh}	91, 21.809, 322.072
Yxy	78.3923, 0.3116, 0.2937
Android (android.graphics.Color)	4294695935 (0xFFFBDBFF)
YUV	232.6720, 11.0077, 16.0737
Hunter-Lab	88.5394, 12.7213, -8.5733

Details

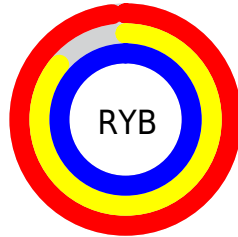
The XYZ color **83.1652, 78.3923, 105.3557** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.9796, 92.3234, 80.6793**, and the grayscale version is **77.1234, 81.1398, 88.3613**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7166, 42.0975, 59.1422** is the 20% darker color. If you saturate the color by 10%, you get **76.0034, 65.5713, 103.2585**, and if you desaturate by 10%, it is **91.3655, 93.2657, 107.7943**.

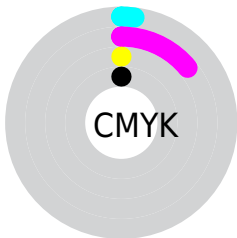
Distribution



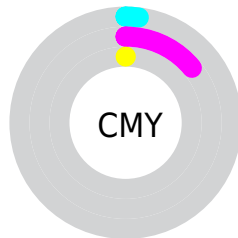
- Red (98%)
- Green (86%)
- Blue (100%)



- Red (98%)
- Yellow (86%)
- Blue (100%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1652, 78.3923, 105.3557 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 83.1652, 78.3923, 105.3557 by changing the saturation by 10% instead.


 83.1652, 78.3923,
105.3557

 83.1652, 78.3923,
105.3557


494.1125,
489.4981, 598.6232

 62.6438, 58.3963,
80.1391


136.7341,
131.1030, 170.6137

 45.8107, 42.1273,
59.3060


170.5124,
164.5865, 211.4922

 32.3004, 29.2010,
42.4378


209.4403,
203.3346, 258.4283

 21.7477, 19.2329,
29.1161

253.8833,
247.7317, 311.8406

 13.7872, 11.8387,
18.9224

304.2066,
298.1622, 372.1478

 8.0535, 6.6339,
11.4380

360.7757,

 4.1813, 3.2342,

355.0105, 439.7682

6.2444

423.9559,
418.6610, 515.1205

■ 1.8052, 1.2552,
2.9230

■ 0.5208, 0.1061,
1.0555

■ 83.1652, 78.3923,
105.3557

■ 83.1652, 78.3923,
105.3557

■ 76.0034, 65.5713,
103.2585

■ 91.3655, 93.2657,
107.7943

■ 69.8274, 54.7005,
101.4857

95.0500, 100.0000,
108.9000

■ 64.5896, 45.6834,
100.0213

■ 60.2357, 38.4118,
98.8472

■ 56.7058, 32.7658,
97.9434

■ 53.9324, 28.6106,
97.2876

■ 51.8371, 25.7898,
96.8535

■ 50.3242, 24.1117,
96.6094

■ 49.6260, 23.4980,
96.5277

Harmonies

Analogous

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



78.5540, 78.3923, 116.6074



83.1652, 78.3923, 105.3557



85.4808, 78.3923, 89.6011

Triad

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



83.1652, 78.3923, 105.3557



75.9775, 78.3923, 58.7383



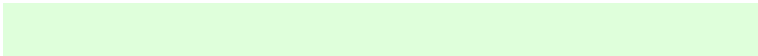
65.1338, 78.3923, 97.2487

Complementary

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



83.1652, 78.3923, 105.3557



78.9796, 92.3234, 80.6793

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.



64.5197, 78.3923, 81.2469



83.1652, 78.3923, 105.3557



70.6063, 78.3923, 60.2556

Square

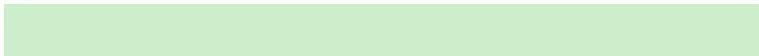
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1652, 78.3923, 105.3557



81.1998, 78.3923, 63.6280



66.4763, 78.3923, 68.0622



68.1972, 78.3923, 111.5402

Rectangle

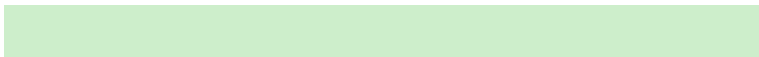
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1652, 78.3923, 105.3557



85.3353, 78.3923, 79.1777



66.4763, 78.3923, 68.0622



64.6404, 78.3923, 91.8474

Sweetspot

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



83.1673, 78.3956, 105.3562



91.4663, 93.4496, 107.8245



73.7077, 75.1660, 105.2314



19.4374, 19.7466, 23.0370



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.



83.1673, 78.3956, 105.3562



80.9966, 74.4903, 104.7168



82.4804, 78.2890, 94.1416



18.5822, 18.1919, 22.7819



26.0104, 12.3193, 50.4416



2.5868, 1.2275, 4.9139

Inverse Universe

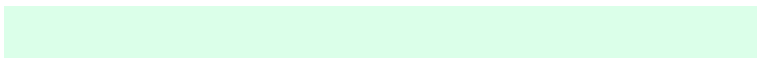
The Inverse Universe completely reimagines the original color for something new.



79.8928, 77.2540, 80.5156



77.1510, 73.1541, 75.3355



79.6551, 92.4529, 90.5907



18.0914, 18.0199, 19.0984



21.6864, 11.1639, 1.7332



2.1369, 1.0971, 0.3025

Previews

White Background



This preview shows how the XYZ color 83.1652, 78.3923, 105.3557 looks on a white background.

Color Contrast Check

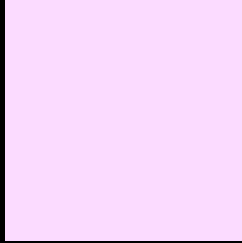
Large Text (above 18pt) WCAG AA × Fail

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 83.1652, 78.3923, 105.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

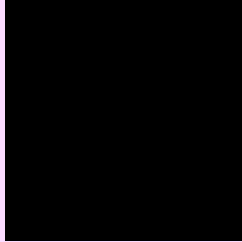
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1652, 78.3923, 105.3557

Background



This preview shows how black text looks on a background with the XYZ color 83.1652, 78.3923, 105.3557.

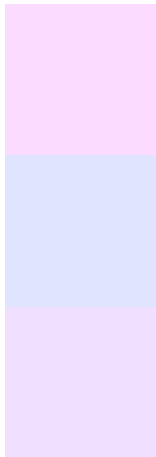


This preview shows how white text looks on a background with the XYZ color 83.1652, 78.3923,

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

83.1652, 78.3923, 105.3557

Protanopia

76.8447, 78.7144, 105.7510

Deuteranopia

80.2122, 78.4564, 104.6819



Tritanopia

80.7682, 78.6143, 92.5785

Trichromacy



Original Color

83.1652, 78.3923, 105.3557

Protanomaly

78.9069, 78.5629, 105.6130

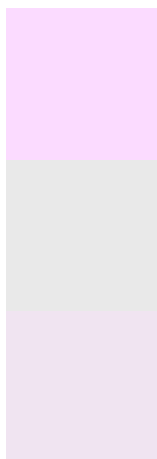
Deuteranomaly

81.3189, 78.6314, 104.6573

Tritanomaly

81.7622, 78.6295, 97.2539

Monochromacy



Original Color

83.1652, 78.3923, 105.3557

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

79.5558, 80.3629, 94.5376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1652, 78.3923, 105.3557 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 219, 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(251, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.1652, 78.3923, 105.3557 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, 219, 255) }
```


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

```
.border{ border-color:rgb(251, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1652, 78.3923, 105.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 219, 255) }
```

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

```
.background{ background-color: rgb(251,  
219, 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](#).

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