

Converting Colors

XYZ(82.0217, 78.2854,
122.4566)

Have a look what the booklet for
XYZ(82.0217, 78.2854, 122.4566)
contains.

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Color

**XYZ(78.8315, 76.9374,
105.3033)**

Conversions

Conversions Part 1

Format	Color
Hex	EDDDFF
RGB	237, 221, 255
RGB Percent	93%, 87%, 100%
CMY	0.0706, 0.1333, 0.0000
CMYK	0.07, 0.13, 0.00, 0.00
HSL	268°, 100%, 93%
HSV	268°, 13%, 100%
XYZ	78.8315, 76.9374, 105.3033
YIQ	229.6600, -1.3780, 13.9660

Conversions

Conversions Part 2

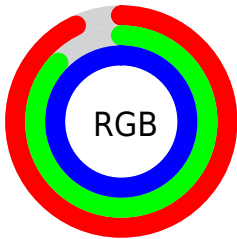
Format	Color
R _{YB}	237, 221, 255
Decimal	15588863
CIE _{Lab}	90.29, 11.62, -14.52
CIE _{LCh}	90, 18.596, 308.662
Yxy	76.9374, 0.3020, 0.2947
Android (android.graphics.Color)	4293778943 (0xFFE8DDFF)
YUV	229.6600, 12.4926, 6.4372
Hunter-Lab	87.7140, 6.9245, -9.7797

Details

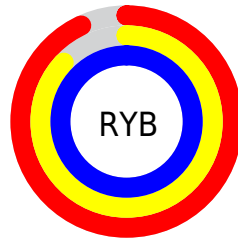
The XYZ color **78.8315, 76.9374, 105.3033** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.4096, 95.0920, 82.3161**, and the grayscale version is **74.8758, 78.7752, 85.7862**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8853, 41.1734, 59.1130** is the 20% darker color. If you saturate the color by 10%, you get **68.2647, 62.2448, 103.0242**, and if you desaturate by 10%, it is **90.7644, 93.8563, 107.9400**.

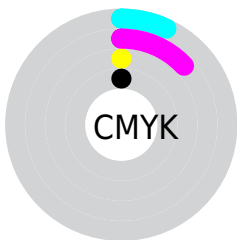
Distribution



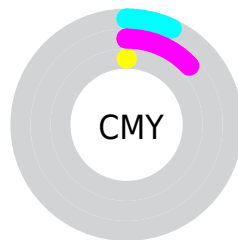
- Red (93%)
- Green (87%)
- Blue (100%)



- Red (93%)
- Yellow (87%)
- Blue (100%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8315, 76.9374, 105.3033 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 78.8315, 76.9374, 105.3033 by changing the saturation by 10% instead.

78.8315, 76.9374,
105.3033

78.8315, 76.9374,
105.3033

479.7829,
484.5506, 598.4563

59.0624, 57.2015,
80.0954

130.6808,
129.0511, 170.5414

42.9099, 41.1670,
59.2702

163.4917,
162.1977, 211.4088

30.0087, 28.4496,
42.4093

201.3807,
200.5833, 258.3330

19.9933, 18.6649,
29.0939

244.7130,
244.5924, 311.7326

12.4984, 11.4284,
18.9057

293.8540,
294.6092, 372.0262

7.1587, 6.3557,
11.4260

349.1691,

3.6087, 3.0626,

351.0183, 439.6324

6.2364

411.0236,
414.2039, 514.9695

■ 1.4833, 1.1645,
2.9182

■ 0.3144, 0.0324,
1.0530

■ 78.8315, 76.9374,
105.3033

■ 78.8315, 76.9374,
105.3033

■ 68.2647, 62.2448,
103.0242

■ 90.7644, 93.8563,
107.9400

■ 59.0043, 49.6732,
101.0858

95.0500, 100.0000,
108.9000

■ 50.9953, 39.1229,
99.4715

■ 44.1758, 30.4822,
98.1631

■ 38.4783, 23.6280,
97.1404

■ 33.8275, 18.4227,
96.3808

■ 30.1370, 14.7069,
95.8581

■ 27.3034, 12.2880,
95.5405

■ 25.7949, 11.2127,
95.4125

Harmonies

Analogous

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



74.4759, 76.9374, 111.5950



78.8315, 76.9374, 105.3033



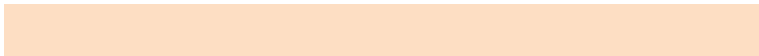
81.7379, 76.9374, 93.3976

Triad

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



78.8315, 76.9374, 105.3033



76.4148, 76.9374, 62.1934



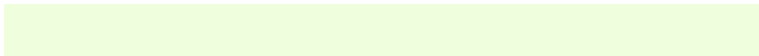
64.6726, 76.9374, 87.6711

Complementary

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



78.8315, 76.9374, 105.3033



84.4096, 95.0920, 82.3161

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.



65.1426, 76.9374, 74.8311



78.8315, 76.9374, 105.3033



71.7939, 76.9374, 61.0062

Square

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



78.8315, 76.9374, 105.3033



80.3021, 76.9374, 68.8295



67.7040, 76.9374, 65.3956



66.3919, 76.9374, 100.7337

Rectangle

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



78.8315, 76.9374, 105.3033



82.3945, 76.9374, 84.3688



67.7040, 76.9374, 65.3956



64.5813, 76.9374, 83.1775

Sweetspot

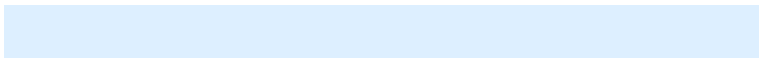
The Sweet Spot groups the original color and five complimentary colors.



78.8336, 76.9406, 105.3038



89.9230, 92.6540, 107.7523



78.7767, 84.4055, 106.7477



19.0463, 19.5449, 23.0187



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.



78.8336, 76.9406, 105.3038



75.8819, 72.8053, 104.6612



84.7322, 79.9814, 105.5798



17.8158, 17.7968, 22.7461



13.6475, 5.9460, 49.8630



1.4537, 0.6433, 4.8608

Inverse Universe

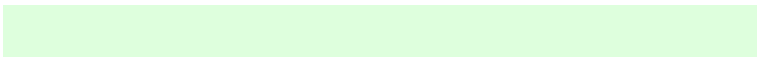
The Inverse Universe completely reimagines the original color for something new.



82.6783, 79.2079, 92.5949



80.4486, 75.4990, 89.5380



78.9785, 92.2922, 82.0619



18.4113, 18.1478, 20.7829



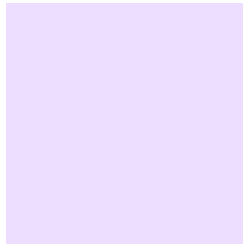
23.9102, 12.0534, 13.4437



2.3833, 1.1957, 1.5998

Previews

White Background



This preview shows how the XYZ color 78.8315, 76.9374, 105.3033 looks on a white background.

Color Contrast Check

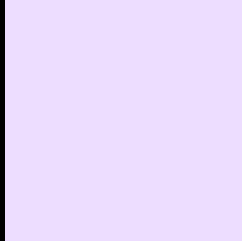
Large Text (above 18pt) WCAG AA × Fail

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 78.8315, 76.9374, 105.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

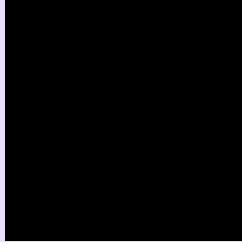
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8315, 76.9374, 105.3033

Background



This preview shows how black text looks on a background with the XYZ color 78.8315, 76.9374, 105.3033.

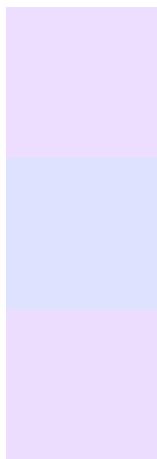


This preview shows how white text looks on a background with the XYZ color 78.8315, 76.9374,

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

78.8315, 76.9374, 105.3033

Protanopia

75.6778, 77.3007, 105.5396

Deuteranopia

78.4985, 76.7658, 105.2877



Tritanopia

76.5258, 76.7884, 94.0074

Trichromacy



Original Color

78.8315, 76.9374, 105.3033

Protanomaly

76.7006, 77.0253, 105.4326

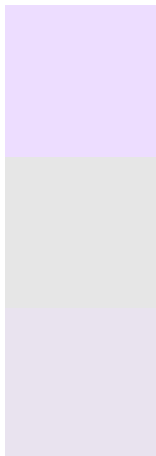
Deuteranomaly

78.4985, 76.7658, 105.2877

Tritanomaly

77.3479, 76.7292, 97.9223

Monochromacy



Original Color

78.8315, 76.9374, 105.3033

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.6533, 78.4938, 92.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8315, 76.9374, 105.3033 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(237, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 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(237, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.8315, 76.9374, 105.3033 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(237, 221, 255) }
```


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

```
.border{ border-color:rgb(237, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8315, 76.9374, 105.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 255) }
```

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

```
.background{ background-color: rgb(237,  
221, 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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