

Converting Colors

XYZ(87.8513, 80.4646,
154.1056)

Have a look what the booklet for
XYZ(87.8513, 80.4646, 154.1056)
contains.

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Color

**XYZ(78.4985, 76.7658,
105.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	ECDDFF
RGB	236, 221, 255
RGB Percent	93%, 87%, 100%
CMY	0.0745, 0.1333, 0.0000
CMYK	0.07, 0.13, 0.00, 0.00
HSL	266°, 100%, 93%
HSV	266°, 13%, 100%
XYZ	78.4985, 76.7658, 105.2877
YIQ	229.3610, -1.9740, 13.7540

Conversions

Conversions Part 2

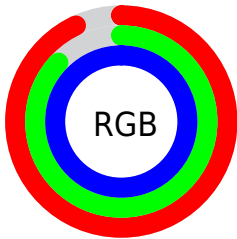
Format	Color
R _Y B	236, 221, 255
Decimal	15523327
CIE Lab	90.21, 11.30, -14.65
CIE LCh	90, 18.496, 307.639
Yxy	76.7658, 0.3013, 0.2946
Android (android.graphics.Color)	4293713407 (0xFFECDDFF)
YUV	229.3610, 12.6400, 5.8224
Hunter-Lab	87.6161, 6.5966, -9.9171

Details

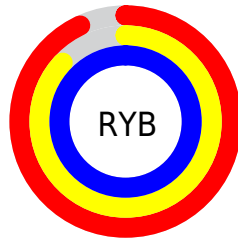
The XYZ color **78.4985, 76.7658, 105.2877** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.7483, 95.2666, 82.3320**, and the grayscale version is **74.6547, 78.5425, 85.5328**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6517, 41.0530, 59.1021** is the 20% darker color. If you saturate the color by 10%, you get **67.7265, 61.9674, 102.9991**, and if you desaturate by 10%, it is **90.6747, 93.8102, 107.9358**.

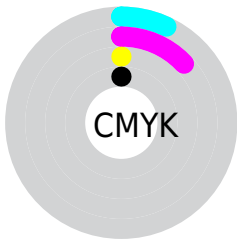
Distribution



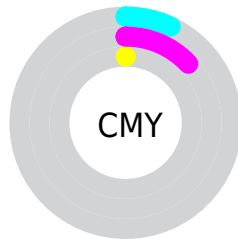
- Red (93%)
- Green (87%)
- Blue (100%)



- 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 78.4985, 76.7658, 105.2877 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 78.4985, 76.7658, 105.2877 by changing the saturation by 10% instead.

78.4985, 76.7658,
105.2877

78.4985, 76.7658,
105.2877

478.6721,
483.9651, 598.4066

58.7878, 57.0607,
80.0824

130.2143,
128.8088, 170.5199

42.6880, 41.0540,
59.2596

162.9500,
161.9155, 211.3839

29.8339, 28.3612,
42.4007

200.7582,
200.2582, 258.3046

19.8600, 18.5982,
29.0873

244.0040,
244.2213, 311.7005

12.4010, 11.3803,
18.9007

293.0530,
294.1891, 371.9900

7.0915, 6.3232,
11.4225

348.2705,

3.5662, 3.0426,

350.5461, 439.5919

6.2340

410.0217,
413.6766, 514.9246

■ 1.4598, 1.1540,
2.9168

■ 0.2982, 0.0237,
1.0523

■ 78.4985, 76.7658,
105.2877

■ 78.4985, 76.7658,
105.2877

■ 67.7265, 61.9674,
102.9991

■ 90.6747, 93.8102,
107.9358

■ 58.2978, 49.3090,
101.0527

95.0500, 100.0000,
108.9000

■ 50.1559, 38.6902,
99.4322

■ 43.2375, 29.9985,
98.1192

■ 37.4734, 23.1100,
97.0934

■ 32.7867, 17.8861,
96.3321

■ 29.0893, 14.1668,
95.8090

■ 26.2758, 11.7583,
95.4924

■ 24.7948, 10.6971,
95.3656

Harmonies

Analogous

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



74.1455, 76.7658, 111.2840



78.4985, 76.7658, 105.2877



81.4515, 76.7658, 93.5954

Triad

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



78.4985, 76.7658, 105.2877



76.3800, 76.7658, 62.2820



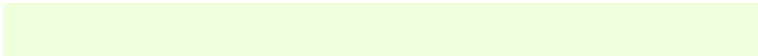
64.5449, 76.7658, 86.9970

Complementary

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



78.4985, 76.7658, 105.2877



84.7483, 95.2666, 82.3320

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.



65.0869, 76.7658, 74.3149



78.4985, 76.7658, 105.2877



71.7943, 76.7658, 60.9116

Square

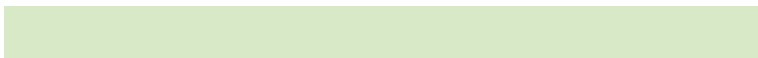
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4985, 76.7658, 105.2877



80.1930, 76.7658, 69.0525



67.6952, 76.7658, 65.0903



66.1823, 76.7658, 100.0254

Rectangle

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



78.4985, 76.7658, 105.2877



82.1611, 76.7658, 84.6327



67.6952, 76.7658, 65.0903



64.4795, 76.7658, 82.5458

Sweetspot

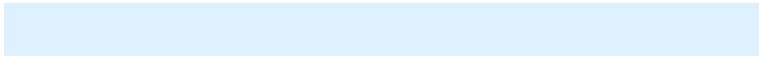
The Sweet Spot groups the original color and five complimentary colors.



78.5006, 76.7690, 105.2882



89.8158, 92.5987, 107.7473



79.1098, 85.0717, 106.8587



19.0191, 19.5309, 23.0174



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.



78.5006, 76.7690, 105.2882



75.4904, 72.6035, 104.6428



84.3190, 79.7685, 105.5605



17.7635, 17.7698, 22.7436



13.1207, 5.6745, 49.8383



1.4006, 0.6159, 4.8583

Inverse Universe

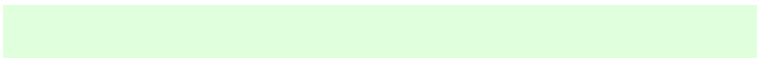
The Inverse Universe completely reimagines the original color for something new.



82.8266, 79.2673, 93.3755



80.6235, 75.5689, 90.4588



79.3271, 92.4719, 82.0783



18.4345, 18.1571, 20.9050



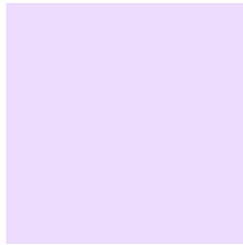
24.1964, 12.1679, 14.9506



2.4109, 1.2067, 1.7452

Previews

White Background



This preview shows how the XYZ color 78.4985, 76.7658, 105.2877 looks on a white background.

Color Contrast Check

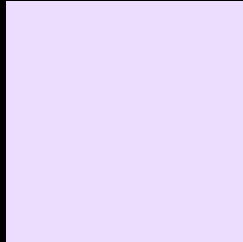
Large Text (above 18pt) WCAG AA × Fail

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 78.4985, 76.7658, 105.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

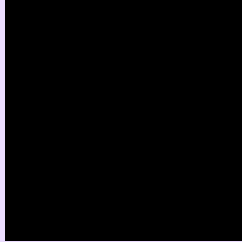
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4985, 76.7658, 105.2877

Background



This preview shows how black text looks on a background with the XYZ color 78.4985, 76.7658, 105.2877.

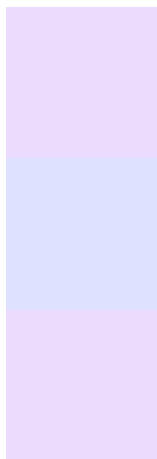


This preview shows how white text looks on a background with the XYZ color 78.4985, 76.7658,

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

78.4985, 76.7658, 105.2877

Protanopia

75.0994, 76.6000, 105.4349

Deuteranopia

78.4985, 76.7658, 105.2877



Tritanopia

76.1965, 76.6187, 93.9920

Trichromacy



Original Color

78.4985, 76.7658, 105.2877

Protanomaly

76.3842, 76.8622, 105.4177

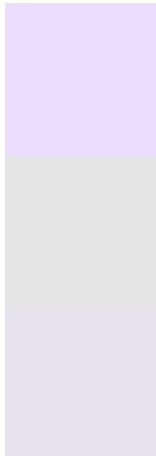
Deuteranomaly

78.4985, 76.7658, 105.2877

Tritanomaly

77.0168, 76.5585, 97.9068

Monochromacy



Original Color

78.4985, 76.7658, 105.2877

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.9077, 77.7216, 91.8899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4985, 76.7658, 105.2877 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(236, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4985, 76.7658, 105.2877 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(236, 221, 255) }
```


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

```
.border{ border-color:rgb(236, 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(236, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4985, 76.7658, 105.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 255) }
```

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

```
.background{ background-color: rgb(236,  
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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