

Converting Colors

XYZ(85.3892, 80.8013,
143.5911)

Have a look what the booklet for
XYZ(85.3892, 80.8013, 143.5911)
contains.

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Color

**XYZ(77.9844, 77.6871,
105.4926)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E0FF
RGB	232, 224, 255
RGB Percent	91%, 88%, 100%
CMY	0.0902, 0.1215, 0.0000
CMYK	0.09, 0.12, 0.00, 0.00
HSL	255°, 100%, 94%
HSV	255°, 12%, 100%
XYZ	77.9844, 77.6871, 105.4926
YIQ	229.9260, -5.1830, 11.3370

Conversions

Conversions Part 2

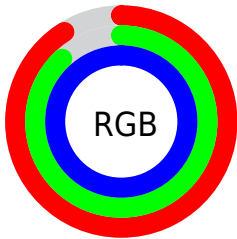
Format	Color
R _Y B	232, 224, 255
Decimal	15261951
CIE Lab	90.64, 8.44, -14.05
CIE LCh	91, 16.389, 301.017
Yxy	77.6871, 0.2986, 0.2975
Android (android.graphics.Color)	4293452031 (0xFFE8E0FF)
YUV	229.9260, 12.3615, 1.8189
Hunter-Lab	88.1403, 3.6870, -9.2643

Details

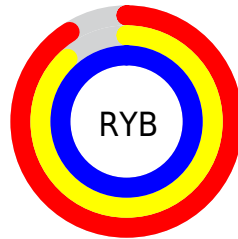
The XYZ color **77.9844, 77.6871, 105.4926** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.5740, 96.6768, 84.5695**, and the grayscale version is **75.0752, 78.9849, 86.0146**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2855, 41.6833, 59.2431** is the 20% darker color. If you saturate the color by 10%, you get **65.8240, 61.9979, 103.1052**, and if you desaturate by 10%, it is **91.8379, 95.7790, 108.2546**.

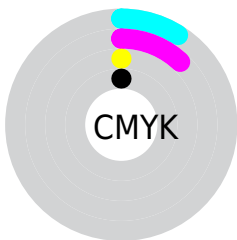
Distribution



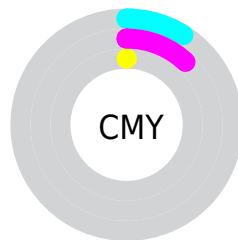
- Red (91%)
- Green (88%)
- Blue (100%)



- Red (91%)
- Yellow (88%)
- Blue (100%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9844, 77.6871, 105.4926 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 77.9844, 77.6871, 105.4926 by changing the saturation by 10% instead.

77.9844, 77.6871,
105.4926

77.9844, 77.6871,
105.4926

476.9545,
487.1035, 599.0590

58.3639, 57.8170,
80.2531

129.4936,
130.1089, 170.8025

42.3457, 41.6615,
59.3993

162.1130,
163.4294, 211.7100

29.5643, 28.8364,
42.5125

199.7962,
202.0022, 258.6773

19.6546, 18.9571,
29.1742

242.9083,
246.2116, 312.1228

12.2510, 11.6393,
18.9660

291.8149,
296.4420, 372.4653

6.9883, 6.4985,
11.4691

346.8812,

3.5010, 3.1505,

353.0779, 440.1231

6.2652

408.4726,
416.5036, 515.5148

■ 1.4239, 1.2108,
2.9356

■ 0.2732, 0.0705,
1.0618

■ 77.9844, 77.6871,
105.4926

■ 77.9844, 77.6871,
105.4926

■ 65.8240, 61.9979,
103.1052

■ 91.8379, 95.7790,
108.2546

■ 55.2840, 48.5998,
101.0747

95.0500, 100.0000,
108.9000

■ 46.2957, 37.3867,
99.3841

■ 38.7824, 28.2402,
98.0146

■ 32.6612, 21.0304,
96.9456

■ 27.8399, 15.6123,
96.1539

■ 24.2145, 11.8197,
95.6129

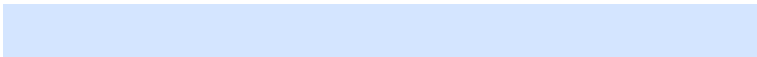
■ 21.6626, 9.4538,
95.2908

■ 20.2829, 8.3711,
95.1545

Harmonies

Analogous

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



73.9795, 77.6871, 109.2803



77.9844, 77.6871, 105.4926



80.9661, 77.6871, 96.0290

Triad

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



77.9844, 77.6871, 105.4926



77.7329, 77.6871, 66.3036



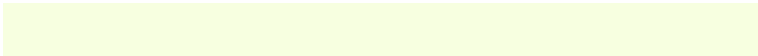
66.2204, 77.6871, 84.9901

Complementary

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



77.9844, 77.6871, 105.4926



87.5740, 96.6768, 84.5695

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.



67.1434, 77.6871, 74.0939



77.9844, 77.6871, 105.4926



73.6992, 77.6871, 63.9272

Square

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



77.9844, 77.6871, 105.4926



80.8172, 77.6871, 73.4593



69.8437, 77.6871, 66.6454



67.2750, 77.6871, 96.7875

Rectangle

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



77.9844, 77.6871, 105.4926



81.9187, 77.6871, 88.1695



69.8437, 77.6871, 66.6454



66.3093, 77.6871, 81.1049

Sweetspot

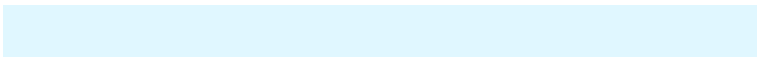
The Sweet Spot groups the original color and five complimentary colors.



77.9865, 77.6903, 105.4931



89.1521, 92.2566, 107.7162



82.1297, 89.7435, 107.6013



18.8515, 19.4445, 23.0095



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.



77.9865, 77.6903, 105.4931



74.3570, 72.9859, 104.7764



83.1535, 80.3540, 105.7349



17.4423, 17.6042, 22.7286



10.7149, 4.4342, 49.7257



1.1397, 0.4815, 4.8461

Inverse Universe

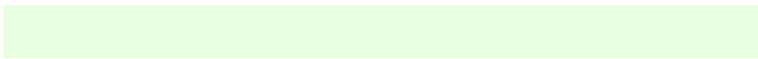
The Inverse Universe completely reimagines the original color for something new.



84.6860, 81.2897, 99.2251



82.4899, 77.3575, 97.0749



82.4141, 94.0167, 84.3281



18.5807, 18.2156, 21.6752



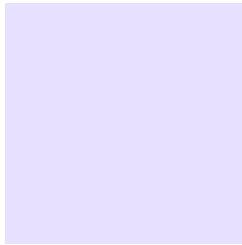
26.4241, 13.0589, 26.6816



2.6173, 1.2893, 2.8322

Previews

White Background



This preview shows how the XYZ color 77.9844, 77.6871, 105.4926 looks on a white background.

Color Contrast Check

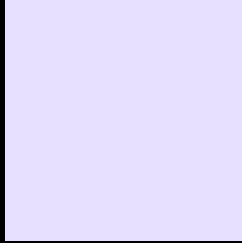
Large Text (above 18pt) WCAG AA × Fail

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 77.9844, 77.6871, 105.4926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

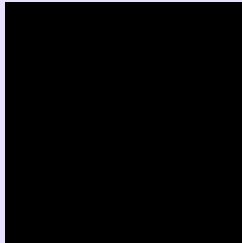
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9844, 77.6871, 105.4926

Background



This preview shows how black text looks on a background with the XYZ color 77.9844, 77.6871, 105.4926.

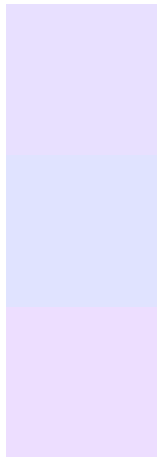


This preview shows how white text looks on a background with the XYZ color 77.9844, 77.6871,

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

77.9844, 77.6871, 105.4926

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

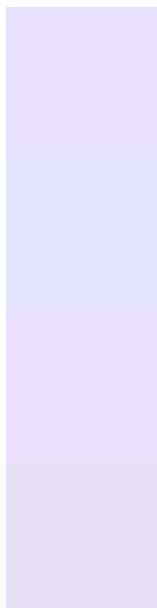
79.0963, 77.4671, 105.3916



Tritanopia

76.1586, 77.7474, 96.5807

Trichromacy



Original Color

77.9844, 77.6871, 105.4926

Protanomaly

76.9249, 77.9436, 105.5980

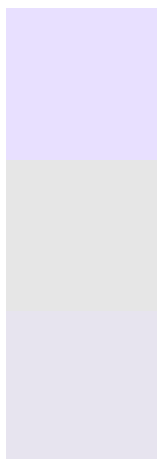
Deuteranomaly

78.6986, 77.6575, 105.4493

Tritanomaly

76.8235, 77.6167, 99.7394

Monochromacy



Original Color

77.9844, 77.6871, 105.4926

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.2784, 78.7077, 92.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9844, 77.6871, 105.4926 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(232, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 224, 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(232, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9844, 77.6871, 105.4926 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(232, 224, 255) }
```


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

```
.border{ border-color:rgb(232, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9844, 77.6871, 105.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 224, 255) }
```

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

```
.background{ background-color: rgb(232,  
224, 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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