

Converting Colors

XYZ(83.9756, 80.2130,
132.5883)

Have a look what the booklet for
XYZ(83.9756, 80.2130, 132.5883)
contains.

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Color

**XYZ(78.9666, 78.1935,
105.5386)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | <code>EBE0FF</code> |
| RGB | 235, 224, 255 |
| RGB Percent | 92%, 88%, 100% |
| CMY | 0.0784, 0.1215, 0.0000 |
| CMYK | 0.08, 0.12, 0.00, 0.00 |
| HSL | 261°, 100%, 94% |
| HSV | 261°, 12%, 100% |
| XYZ | 78.9666, 78.1935, 105.5386 |
| YIQ | 230.8230, -3.3950, 11.9730 |

Conversions

Conversions Part 2

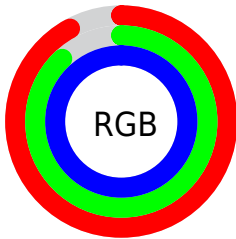
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 235, 224, 255 |
| Decimal | 15458559 |
| CIE _{Lab} | 90.87, 9.41, -13.68 |
| CIE _{LCh} | 91, 16.598, 304.518 |
| Yxy | 78.1935, 0.3006, 0.2977 |
| Android (android.graphics.Color) | 4293648639 (0xFFEBE0FF) |
| YUV | 230.8230, 11.9193, 3.6632 |
| Hunter-Lab | 88.4271, 4.6555, -8.8642 |

Details

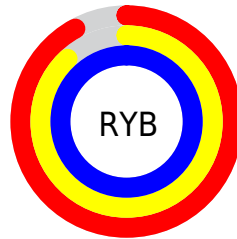
The XYZ color **78.9666, 78.1935, 105.5386** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.5247, 96.1358, 84.5206**, and the grayscale version is **75.7419, 79.6864, 86.7785**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9714, 42.0369, 59.2752** is the 20% darker color. If you saturate the color by 10%, you get **67.4377, 62.8298, 103.1808**, and if you desaturate by 10%, it is **92.0298, 95.8780, 108.2636**.

Distribution



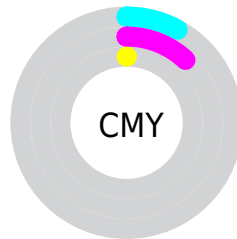
- Red (92%)
- Green (88%)
- Blue (100%)



- Red (92%)
- Yellow (88%)
- Blue (100%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9666, 78.1935, 105.5386 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 78.9666, 78.1935, 105.5386 by changing the saturation by 10% instead.

78.9666, 78.1935,
105.5386

78.9666, 78.1935,
105.5386

480.2331,
488.8237, 599.2054

59.1739, 58.2329,
80.2915

130.8700,
130.8229, 170.8659

43.0000, 41.9960,
59.4307

163.7114,
164.2605, 211.7832

30.0797, 29.0981,
42.5376

201.6331,
202.9592, 258.7609

20.0474, 19.1551,
29.1938

245.0004,
247.3035, 312.2176

12.5380, 11.7824,
18.9806

294.1787,
297.6776, 372.5719

7.1860, 6.5957,
11.4796

349.5334,

3.6260, 3.2105,

354.4662, 440.2423

6.2722

411.4297,
418.0534, 515.6472

■ 1.4928, 1.2426,
2.9398

■ 0.3209, 0.0961,
1.0640

■ 78.9666, 78.1935,
105.5386

■ 78.9666, 78.1935,
105.5386

■ 67.4377, 62.8298,
103.1808

■ 92.0298, 95.8780,
108.2636

■ 57.3778, 49.6792,
101.1726

95.0500, 100.0000,
108.9000

■ 48.7257, 38.6395,
99.4978

■ 41.4133, 29.5965,
98.1377

■ 35.3665, 22.4251,
97.0722

■ 30.5033, 16.9853,
96.2785

■ 26.7302, 13.1166,
95.7307

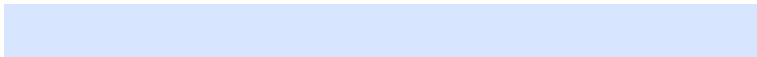
■ 23.9374, 10.6265,
95.3972

■ 22.3125, 9.4174,
95.2495

Harmonies

Analogous

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



74.9552, 78.1935, 110.1972



78.9666, 78.1935, 105.5386



81.8112, 78.1935, 95.4266

Triad

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



78.9666, 78.1935, 105.5386



77.8307, 78.1935, 66.0128



66.5961, 78.1935, 86.9648

Complementary

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



78.9666, 78.1935, 105.5386



86.5247, 96.1358, 84.5206

Split Complementary

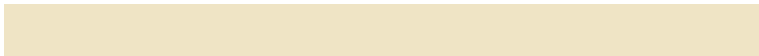
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.3017, 78.1935, 75.6195



78.9666, 78.1935, 105.5386



73.6895, 78.1935, 64.2010

Square

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



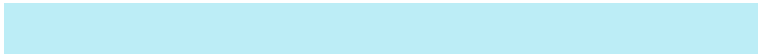
78.9666, 78.1935, 105.5386



81.1384, 78.1935, 72.7558



69.8605, 78.1935, 67.5543



67.8958, 78.1935, 98.8541

Rectangle

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



78.9666, 78.1935, 105.5386



82.6078, 78.1935, 87.3564



69.8605, 78.1935, 67.5543



66.6070, 78.1935, 82.9603

Sweetspot

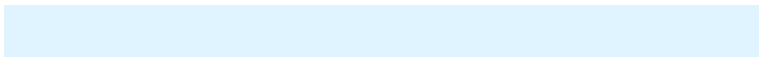
The Sweet Spot groups the original color and five complimentary colors.



78.9687, 78.1967, 105.5391



89.5020, 92.4370, 107.7326



81.1886, 87.8610, 107.2875



18.9398, 19.4901, 23.0137



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.



78.9687, 78.1967, 105.5391



75.5346, 73.5930, 104.8315



84.2573, 80.9231, 105.7866



17.6111, 17.6912, 22.7365



11.8052, 4.9963, 49.7768



1.2630, 0.5450, 4.8519

Inverse Universe

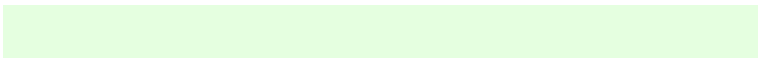
The Inverse Universe completely reimagines the original color for something new.



84.2268, 81.1061, 96.8065



81.9299, 77.1335, 94.1258



81.4183, 93.5034, 84.2816



18.5030, 18.1845, 21.2659



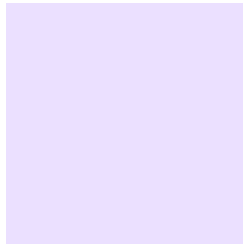
25.1488, 12.5488, 19.9659



2.5007, 1.2426, 2.2180

Previews

White Background



This preview shows how the XYZ color 78.9666, 78.1935, 105.5386 looks on a white background.

Color Contrast Check

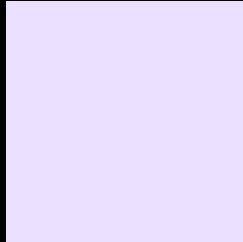
Large Text (above 18pt) WCAG AA × Fail

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 78.9666, 78.1935, 105.5386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

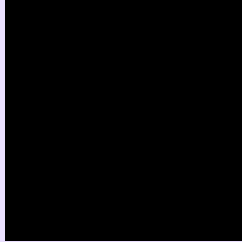
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.9666, 78.1935, 105.5386

Background



This preview shows how black text looks on a background with the XYZ color 78.9666, 78.1935, 105.5386.

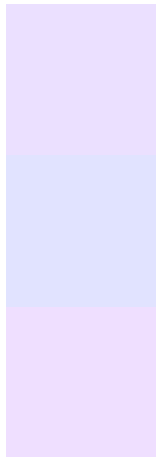


This preview shows how white text looks on a background with the XYZ color 78.9666, 78.1935,

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

78.9666, 78.1935, 105.5386

Protanopia

76.5704, 78.1657, 105.6595

Deuteranopia

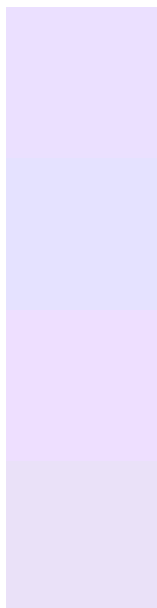
80.0343, 78.3461, 105.5118



Tritanopia

77.1298, 78.2480, 96.6262

Trichromacy



Original Color

78.9666, 78.1935, 105.5386

Protanomaly

77.5595, 78.2707, 105.6277

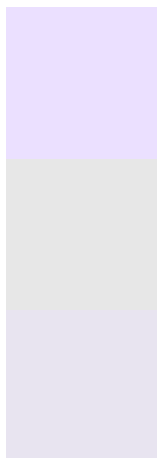
Deuteranomaly

79.6976, 78.1725, 105.4960

Tritanomaly

77.8002, 78.1202, 99.7851

Monochromacy



Original Color

78.9666, 78.1935, 105.5386

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.7503, 78.9339, 93.6287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9666, 78.1935, 105.5386 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(235, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.9666, 78.1935, 105.5386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

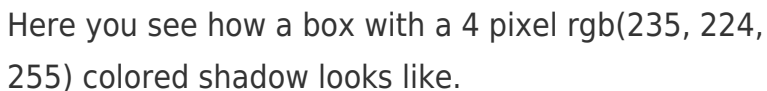
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 224, 255) }
```


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

```
.border{ border-color:rgb(235, 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(235, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 224, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 224, 255); box-shadow:4px 4px 4px 4px rgb(235, 224, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9666, 78.1935, 105.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 255) }
```

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

```
.background{ background-color: rgb(235,  
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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