

Converting Colors

XYZ(78.1023, 76.7574,
105.3070)

Have a look what the booklet for
XYZ(78.1023, 76.7574, 105.3070)
contains.

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Color

**XYZ(78.1030, 76.9550,
105.3451)**

Conversions

Conversions Part 1

Format	Color
Hex	EADEFF
RGB	234, 222, 255
RGB Percent	92%, 87%, 100%
CMY	0.0823, 0.1294, 0.0000
CMYK	0.08, 0.13, 0.00, 0.00
HSL	262°, 100%, 94%
HSV	262°, 13%, 100%
XYZ	78.1030, 76.9550, 105.3451
YIQ	229.3500, -3.4410, 12.8070

Conversions

Conversions Part 2

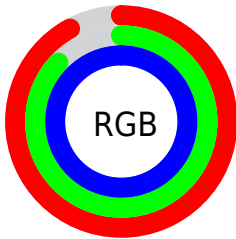
Format	Color
RYB	234, 222, 255
Decimal	15392511
CIELab	90.30, 10.13, -14.53
CIELCh	90, 17.715, 304.880
Yxy	76.9550, 0.2999, 0.2955
Android (android.graphics.Color)	4293582591 (0xFFEAEDEFF)
YUV	229.3500, 12.6455, 4.0781
Hunter-Lab	87.7240, 5.4063, -9.7928

Details

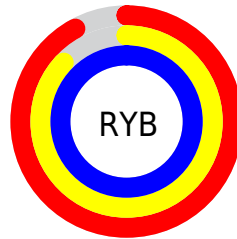
The XYZ color **78.1030, 76.9550, 105.3451** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9088, 95.8495, 83.0839**, and the grayscale version is **74.6473, 78.5348, 85.5244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3719, 41.1796, 59.1413** is the 20% darker color. If you saturate the color by 10%, you get **66.7500, 61.7988, 103.0180**, and if you desaturate by 10%, it is **90.9725, 94.4176, 108.0374**.

Distribution



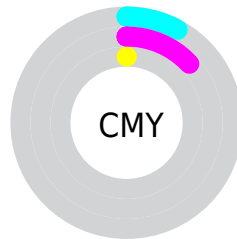
- Red (92%)
- Green (87%)
- Blue (100%)



- Red (92%)
- Yellow (87%)
- Blue (100%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1030, 76.9550, 105.3451 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 78.1030, 76.9550, 105.3451 by changing the saturation by 10% instead.

78.1030, 76.9550,
105.3451

78.1030, 76.9550,
105.3451

477.3510,
484.6106, 598.5894

58.4617, 57.2159,
80.1302

129.6599,
129.0760, 170.5991

42.4246, 41.1786,
59.2987

162.3062,
162.2266, 211.4753

29.6265, 28.4587,
42.4320

200.0182,
200.6167, 258.4090

19.7019, 18.6717,
29.1117

243.1612,
244.6304, 311.8188

12.2855, 11.4333,
18.9190

292.1007,
294.6523, 372.1232

7.0120, 6.3591,
11.4355

347.2019,

3.5160, 3.0646,

351.0667, 439.7407

6.2427

408.8302,
414.2580, 515.0900

■ 1.4322, 1.1656,
2.9221

■ 0.2790, 0.0333,
1.0550

■ 78.1030, 76.9550,
105.3451

■ 78.1030, 76.9550,
105.3451

■ 66.7500, 61.7988,
103.0180

■ 90.9725, 94.4176,
108.0374

■ 56.8483, 48.8411,
101.0388

95.0500, 100.0000,
108.9000

■ 48.3371, 37.9794,
99.3909

■ 41.1485, 29.0991,
98.0557

■ 35.2084, 22.0744,
97.0128

■ 30.4349, 16.7643,
96.2395

■ 26.7343, 13.0068,
95.7092

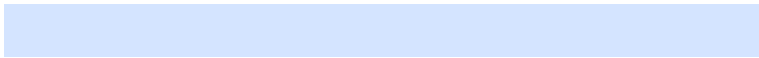
■ 23.9958, 10.6064,
95.3903

■ 22.5357, 9.5325,
95.2599

Harmonies

Analogous

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



73.8675, 76.9550, 110.4060



78.1030, 76.9550, 105.3451



81.0968, 76.9550, 94.5343

Triad

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



78.1030, 76.9550, 105.3451



76.8043, 76.9550, 63.6611



65.0119, 76.9550, 85.8749

Complementary

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



78.1030, 76.9550, 105.3451



85.9088, 95.8495, 83.0839

Split Complementary

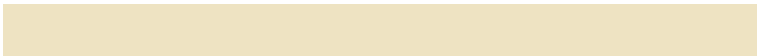
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.7278, 76.9550, 73.8940



78.1030, 76.9550, 105.3451



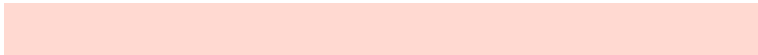
72.4241, 76.9550, 61.8387

Square

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



78.1030, 76.9550, 105.3451



80.3262, 76.9550, 70.6504



68.3984, 76.9550, 65.3976



66.4022, 76.9550, 98.4675

Rectangle

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



78.1030, 76.9550, 105.3451



81.9229, 76.9550, 85.9780



68.3984, 76.9550, 65.3976



65.0147, 76.9550, 81.6413

Sweetspot

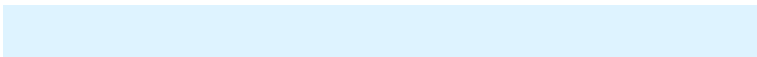
The Sweet Spot groups the original color and five complimentary colors.



78.1051, 76.9582, 105.3456



89.5340, 92.4534, 107.7341



80.3618, 87.1224, 107.1885



18.9479, 19.4942, 23.0140



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.



78.1051, 76.9582, 105.3456



74.4714, 72.0782, 104.5952



83.6152, 79.7987, 105.6034



17.6265, 17.6992, 22.7372



11.9241, 5.0576, 49.7823



1.2758, 0.5516, 4.8525

Inverse Universe

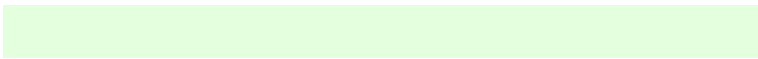
The Inverse Universe completely reimagines the original color for something new.



83.5408, 79.9766, 95.8305



81.0899, 75.7555, 92.9151



80.6097, 93.1177, 82.8359



18.4960, 18.1817, 21.2289



25.0438, 12.5068, 19.4129



2.4909, 1.2387, 2.1666

Previews

White Background



This preview shows how the XYZ color 78.1030, 76.9550, 105.3451 looks on a white background.

Color Contrast Check

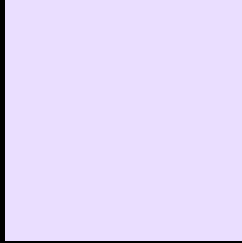
Large Text (above 18pt) WCAG AA × Fail

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 78.1030, 76.9550, 105.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

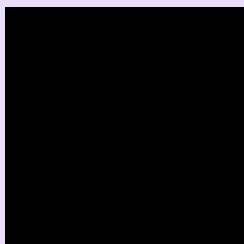
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1030, 76.9550, 105.3451

Background



This preview shows how black text looks on a background with the XYZ color 78.1030, 76.9550, 105.3451.

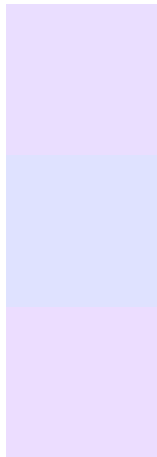


This preview shows how white text looks on a background with the XYZ color 78.1030, 76.9550,

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

78.1030, 76.9550, 105.3451

Protanopia

75.6778, 77.3007, 105.5396

Deuteranopia

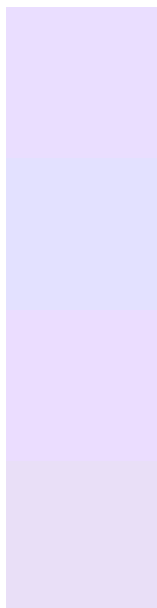
78.4985, 76.7658, 105.2877



Tritanopia

75.9614, 76.8779, 94.8397

Trichromacy



Original Color

78.1030, 76.9550, 105.3451

Protanomaly

76.6538, 77.4013, 105.5076

Deuteranomaly

78.1674, 76.5951, 105.2722

Tritanomaly

76.7804, 76.8144, 98.7756

Monochromacy



Original Color

78.1030, 76.9550, 105.3451

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

75.5840, 77.5547, 91.8748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1030, 76.9550, 105.3451 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(234, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 222, 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(234, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.1030, 76.9550, 105.3451 is called "border". The border property can be set on classes, ids or directly on the HTML element.

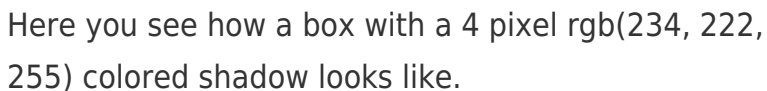
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 222, 255) }
```


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

```
.border{ border-color:rgb(234, 222, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(234, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 222, 255); box-shadow:4px 4px 4px 4px rgb(234, 222, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1030, 76.9550, 105.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 222, 255) }
```

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

```
.background{ background-color: rgb(234,  
222, 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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