

Converting Colors

XYZ(83.1101, 80.7640,
134.7056)

Have a look what the booklet for
XYZ(83.1101, 80.7640, 134.7056)
contains.

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Color

**XYZ(77.8322, 78.8162,
105.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	E5E3FF
RGB	229, 227, 255
RGB Percent	90%, 89%, 100%
CMY	0.1020, 0.1098, 0.0000
CMYK	0.10, 0.11, 0.00, 0.00
HSL	244°, 100%, 95%
HSV	244°, 11%, 100%
XYZ	77.8322, 78.8162, 105.7186
YIQ	230.7900, -7.7960, 9.1320

Conversions

Conversions Part 2

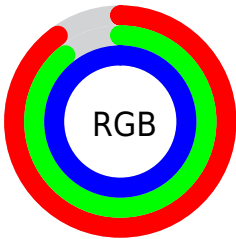
Format	Color
R_{YB}	229, 227, 255
Decimal	15066111
CIE Lab	91.15, 5.92, -13.30
CIE LCh	91, 14.560, 294.009
Yxy	78.8162, 0.2967, 0.3004
Android (android.graphics.Color)	4293256191 (0xFFE5E3FF)
YUV	230.7900, 11.9355, -1.5698
Hunter-Lab	88.7785, 1.1288, -8.4584

Details

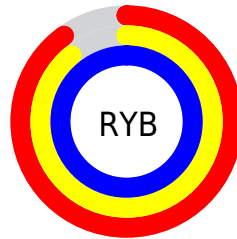
The XYZ color **77.8322, 78.8162, 105.7186** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.1350, 97.9496, 86.8324**, and the grayscale version is **75.7197, 79.6630, 86.7530**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1791, 42.4665, 59.3999** is the 20% darker color. If you saturate the color by 10%, you get **64.3202, 62.2541, 103.2339**, and if you desaturate by 10%, it is **93.4121, 97.9818, 108.5968**.

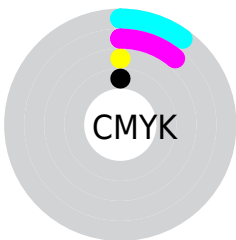
Distribution



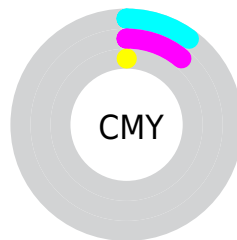
- Red (90%)
- Green (89%)
- Blue (100%)



- Red (90%)
- Yellow (89%)
- Blue (100%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8322, 78.8162, 105.7186 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 77.8322, 78.8162, 105.7186 by changing the saturation by 10% instead.

77.8322, 78.8162,
105.7186

77.8322, 78.8162,
105.7186

476.4453,
490.9343, 599.7781

58.2385, 58.7447,
80.4415

129.2802,
131.7001, 171.1141

42.2444, 42.4076,
59.5534

161.8651,
165.2812, 212.0695

29.4846, 29.4206,
42.6358

199.5111,
204.1344, 259.0881

19.5939, 19.3992,
29.2702

242.5836,
248.6440, 312.5885

12.2067, 11.9591,
19.0380

291.4479,
299.1944, 372.9891

6.9578, 6.7158,
11.5206

346.4694,

3.4818, 3.2850,

356.1700, 440.7086

6.2996

408.0134,
419.9552, 516.1654

■ 1.4134, 1.2823,
2.9564

■ 0.2657, 0.1274,
1.0724

■ 77.8322, 78.8162,
105.7186

■ 77.8322, 78.8162,
105.7186

■ 64.3202, 62.2541,
103.2339

■ 93.4121, 97.9818,
108.5968

■ 52.7829, 48.1741,
101.1243

■ 95.0500, 100.0000,
108.9000

■ 43.1297, 36.4593,
99.3719

■ 35.2602, 26.9798,
97.9569

■ 29.0648, 19.5931,
96.8577

■ 24.4218, 14.1405,
96.0500

■ 21.1927, 10.4400,
95.5059

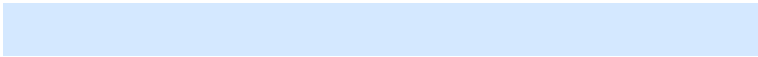
■ 19.2143, 8.2752,
95.1923

■ 18.3030, 7.3504,
95.0618

Harmonies

Analogous

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



74.1754, 78.8162, 107.6198



77.8322, 78.8162, 105.7186



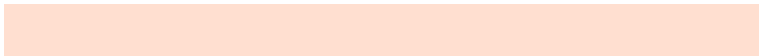
80.7922, 78.8162, 98.3020

Triad

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



77.8322, 78.8162, 105.7186



79.1535, 78.8162, 70.4251



68.0850, 78.8162, 83.7170

Complementary

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



77.8322, 78.8162, 105.7186



90.1350, 97.9496, 86.8324

Split Complementary

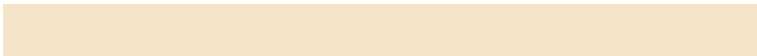
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3251, 78.8162, 74.4374



77.8322, 78.8162, 105.7186



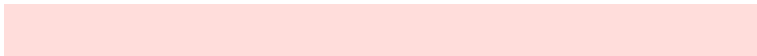
75.6543, 78.8162, 67.1784

Square

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



77.8322, 78.8162, 105.7186



81.5724, 78.8162, 77.8237



72.0666, 78.8162, 68.5850



68.6252, 78.8162, 94.3407

Rectangle

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



77.8322, 78.8162, 105.7186



81.9315, 78.8162, 91.5294



72.0666, 78.8162, 68.5850



68.3061, 78.8162, 80.3482

Sweetspot

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



77.8343, 78.8194, 105.7191



90.0923, 93.8932, 107.9826



84.8977, 93.8867, 108.2551



19.0068, 19.7564, 23.0616



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.



77.8343, 78.8194, 105.7191



74.9385, 75.2645, 105.1856



82.4375, 81.1924, 105.9345



17.1230, 17.4396, 22.7137



9.6071, 3.8631, 49.6739



0.9752, 0.3967, 4.8384

Inverse Universe

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



86.4406, 83.2931, 104.4523



84.9930, 80.4915, 103.6810



85.2685, 95.4408, 86.6046



18.7334, 18.2767, 22.4794



29.5453, 14.3074, 43.1176



2.8928, 1.3995, 4.2829

Previews

White Background



This preview shows how the XYZ color 77.8322, 78.8162, 105.7186 looks on a white background.

Color Contrast Check

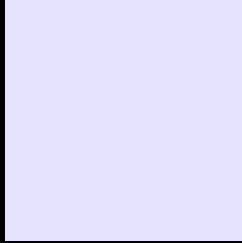
Large Text (above 18pt) WCAG AA × Fail

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 77.8322, 78.8162, 105.7186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

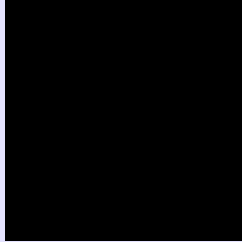
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8322, 78.8162, 105.7186

Background



This preview shows how black text looks on a background with the XYZ color 77.8322, 78.8162, 105.7186.

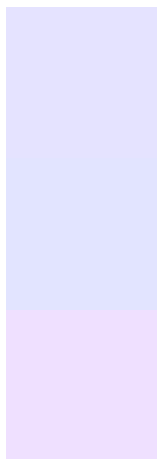


This preview shows how white text looks on a background with the XYZ color 77.8322, 78.8162,

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

77.8322, 78.8162, 105.7186

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

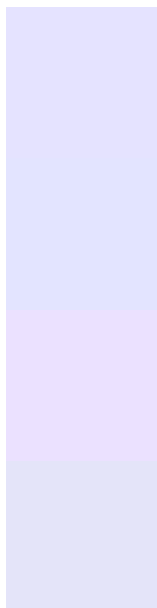
80.3023, 78.8820, 105.6011



Tritanopia

76.3729, 78.6346, 98.3415

Trichromacy



Original Color

77.8322, 78.8162, 105.7186

Protanomaly

77.4720, 79.0377, 105.7803

Deuteranomaly

79.2362, 78.7326, 105.6285

Tritanomaly

76.8372, 78.8203, 100.7866

Monochromacy



Original Color

77.8322, 78.8162, 105.7186

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.6581, 79.7079, 93.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8322, 78.8162, 105.7186 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(229, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 227, 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(229, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.8322, 78.8162, 105.7186 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(229, 227, 255) }
```


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

```
.border{ border-color:rgb(229, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8322, 78.8162, 105.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 227, 255) }
```

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

```
.background{ background-color: rgb(229,  
227, 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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