

# Converting Colors

XYZ(78.2709, 78.3441,  
116.1635)

Have a look what the booklet for  
XYZ(78.2709, 78.3441, 116.1635)  
contains.

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# Color

**XYZ(76.2977, 77.6203,  
105.5686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E2FF
RGB	225, 226, 255
RGB Percent	88%, 89%, 100%
CMY	0.1176, 0.1137, 0.0000
CMYK	0.12, 0.11, 0.00, 0.00
HSL	238°, 100%, 94%
HSV	238°, 12%, 100%
XYZ	76.2977, 77.6203, 105.5686
YIQ	229.0070, -9.9050, 8.8070

# Conversions

## Conversions Part 2

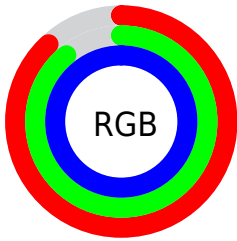
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 226, 255
Decimal	14803711
CIE <sub>Lab</sub>	90.61, 5.18, -14.15
CIE <sub>LCh</sub>	91, 15.063, 290.103
Yxy	77.6203, 0.2940, 0.2991
Android (android.graphics.Color)	4292993791 (0xFFE1E2FF)
YUV	229.0070, 12.8145, -3.5141
Hunter-Lab	88.1024, 0.4039, -9.3725

# Details

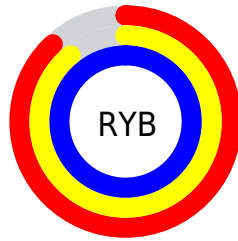
The XYZ color **76.2977, 77.6203, 105.5686** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.2718, 97.5781, 85.3124**, and the grayscale version is **74.3971, 78.2716, 85.2378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3335, 41.7491, 59.3059** is the 20% darker color. If you saturate the color by 10%, you get **62.7068, 61.3712, 103.1486**, and if you desaturate by 10%, it is **92.0433, 96.4144, 108.3664**.

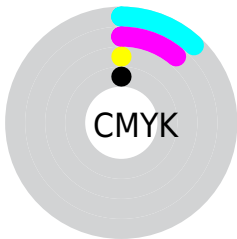
# Distribution



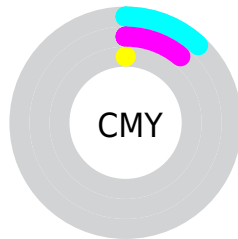
- Red (88%)
- Green (89%)
- Blue (100%)



- Red (88%)
- Yellow (89%)
- Blue (100%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2977, 77.6203, 105.5686 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 76.2977, 77.6203, 105.5686 by changing the saturation by 10% instead.



■ 76.2977, 77.6203,  
105.5686

■ 76.2977, 77.6203,  
105.5686

471.2949,  
486.8764, 599.3009

■ 56.9746, 57.7621,  
80.3165

127.1258,  
130.0147, 170.9073

■ 41.2249, 41.6174,  
59.4511

159.3614,  
163.3198, 211.8309

■ 28.6833, 28.8019,  
42.5540

196.6319,  
201.8759, 258.8154

■ 18.9844, 18.9310,  
29.2065

239.3026,  
246.0675, 312.2795

■ 11.7630, 11.6204,  
18.9902

287.7389,  
296.2789, 372.6415

■ 6.6535, 6.4858,  
11.4864

342.3062,

■ 3.2908, 3.1426,

352.8946, 440.3200

6.2768

403.3697,  
416.2990, 515.7336

■ 1.3093, 1.2067,  
2.9426

■ 0.1902, 0.0671,  
1.0654

■ 76.2977, 77.6203,  
105.5686

■ 76.2977, 77.6203,  
105.5686

■ 62.7068, 61.3712,  
103.1486

■ 92.0433, 96.4144,  
108.3664

■ 51.1711, 47.5489,  
101.0886

95.0500, 100.0000,  
108.9000

■ 41.5923, 36.0398,  
99.3720

■ 33.8619, 26.7175,  
97.9800

■ 27.8607, 19.4435,  
96.8923

■ 23.4556, 14.0638,  
96.0861

■ 20.4943, 10.4022,  
95.5354

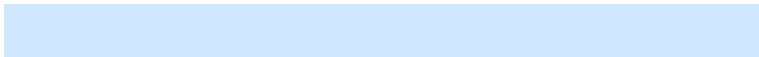
■ 18.7944, 8.2497,  
95.2095

■ 18.1425, 7.4051,  
95.0808

# Harmonies

## Analogous

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



72.5357, 77.6203, 106.6821



76.2977, 77.6203, 105.5686



79.4833, 77.6203, 98.5560

# Triad

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



76.2977, 77.6203, 105.5686



78.5280, 77.6203, 69.5551



66.8567, 77.6203, 80.9939

# Complementary

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



76.2977, 77.6203, 105.5686



90.2718, 97.5781, 85.3124

# 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.



68.3483, 77.6203, 71.8758



76.2977, 77.6203, 105.5686



75.0299, 77.6203, 65.6537

# Square

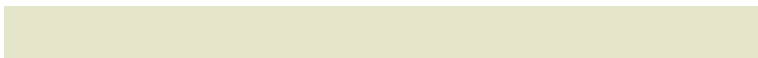
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2977, 77.6203, 105.5686



80.8011, 77.6203, 77.5727



71.3100, 77.6203, 66.4655



67.1700, 77.6203, 91.8602



# Rectangle

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



76.2977, 77.6203, 105.5686



80.8105, 77.6203, 91.7861



71.3100, 77.6203, 66.4655



67.1616, 77.6203, 77.6390

# Sweetspot

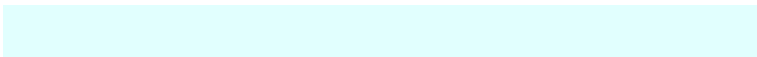
The Sweet Spot groups the original color and five complimentary colors.



76.2998, 77.6235, 105.5691



88.3315, 91.9867, 107.7074



84.6214, 94.6517, 107.1563



18.6447, 19.3764, 23.0073



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.



76.2998, 77.6235, 105.5691



73.0767, 73.7726, 104.9957



80.4042, 79.3356, 105.6833



17.0517, 17.4750, 22.7242



9.5009, 3.9114, 49.6888

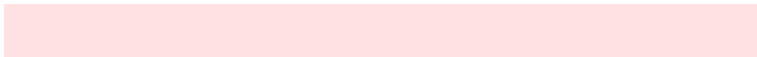


0.9414, 0.4136, 4.8435



# Inverse Universe

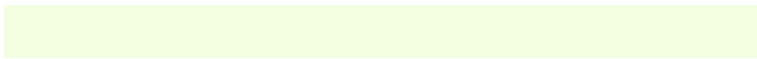
The Inverse Universe completely reimagines the original color for something new.



81.8940, 80.6029, 83.1969



79.6336, 77.2732, 78.7715



85.7978, 95.7454, 85.1944



18.0340, 17.9969, 18.7962



21.5838, 11.1228, 1.1930

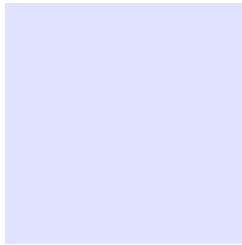


2.1098, 1.0863, 0.1597



# Previews

## White Background



This preview shows how the XYZ color 76.2977, 77.6203, 105.5686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

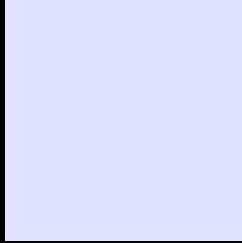
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2977, 77.6203, 105.5686 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

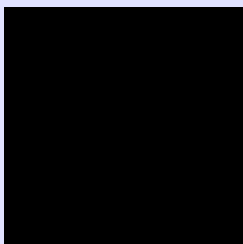
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.2977, 77.6203, 105.5686**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2977, 77.6203, 105.5686.



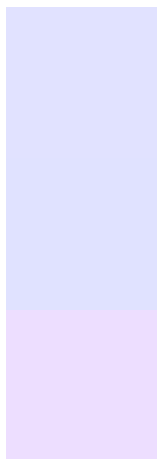
This preview shows how white text looks on a background with the XYZ color 76.2977, 77.6203,



# 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

76.2977, 77.6203, 105.5686

### Protanopia

75.9868, 77.4600, 105.5541

### Deuteranopia

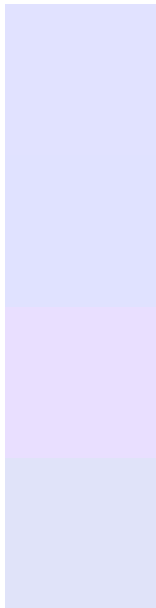
79.0963, 77.4671, 105.3916



## Tritanopia

74.8094, 77.8286, 98.2683

# Trichromacy



## Original Color

76.2977, 77.6203, 105.5686

## Protanomaly

75.9868, 77.4600, 105.5541

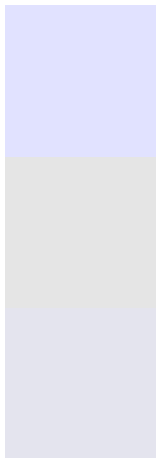
## Deuteranomaly

78.0419, 77.3190, 105.4185

## Tritanomaly

75.3084, 77.6250, 100.6365

# Monochromacy



## Original Color

76.2977, 77.6203, 105.5686

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.1709, 78.1538, 92.0122

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2977, 77.6203, 105.5686 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(225, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 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(225, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2977, 77.6203, 105.5686 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(225, 226, 255) }
```



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

```
.border{ border-color:rgb(225, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2977, 77.6203, 105.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 255) }
```

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

```
.background{ background-color: rgb(225,  
226, 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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