

# Converting Colors

XYZ(77.9253, 78.1043,  
105.5763)

Have a look what the booklet for  
XYZ(77.9253, 78.1043, 105.5763)  
contains.

|                                                |    |
|------------------------------------------------|----|
| <b>XYZ(77.9302, 78.0594, 105.5673)</b> .....   | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# **Color**

**XYZ(77.9302, 78.0594,  
105.5673)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E7E1FF                     |
| RGB         | 231, 225, 255              |
| RGB Percent | 91%, 88%, 100%             |
| CMY         | 0.0941, 0.1176, 0.0000     |
| CMYK        | 0.09, 0.12, 0.00, 0.00     |
| HSL         | 252°, 100%, 94%            |
| HSV         | 252°, 12%, 100%            |
| XYZ         | 77.9302, 78.0594, 105.5673 |
| YIQ         | 230.2140, -6.0540, 10.6020 |

# Conversions

## Conversions Part 2

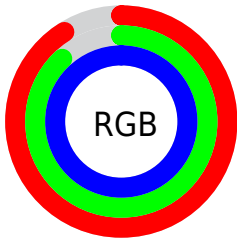
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 231, 225, 255                |
| Decimal                             | 15196671                     |
| CIE Lab                             | 90.81, 7.60, -13.80          |
| CIE LCh                             | 91, 15.755, 298.855          |
| Yxy                                 | 78.0594, 0.2979,<br>0.2984   |
| Android<br>(android.graphics.Color) | 4293386751<br>(0xFFE7E1FF)   |
| YUV                                 | 230.2140, 12.2195,<br>0.6893 |
| Hunter-Lab                          | 88.3512, 2.8313,<br>-8.9974  |

# Details

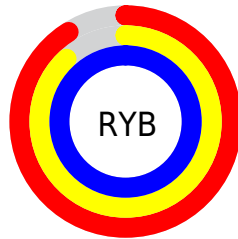
The XYZ color **77.9302, 78.0594, 105.5673** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.4195, 97.0969, 85.3194**, and the grayscale version is **75.2897, 79.2106, 86.2603**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2470, 41.9406, 59.2948** is the 20% darker color. If you saturate the color by 10%, you get **65.3394, 62.0897, 103.1485**, and if you desaturate by 10%, it is **92.3222, 96.4901, 108.3663**.

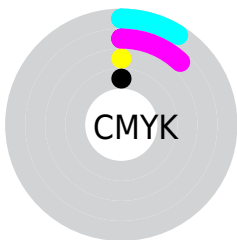
# Distribution



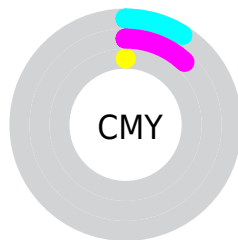
- Red (91%)
- Green (88%)
- Blue (100%)



- 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 77.9302, 78.0594, 105.5673 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 77.9302, 78.0594, 105.5673 by changing the saturation by 10% instead.



77.9302, 78.0594,  
105.5673

77.9302, 78.0594,  
105.5673

476.7732,  
488.3685, 599.2967

58.3192, 58.1228,  
80.3154

129.4176,  
130.6339, 170.9055

42.3096, 41.9074,  
59.4502

162.0248,  
164.0405, 211.8288

29.5360, 29.0288,  
42.5533

199.6947,  
202.7059, 258.8131

19.6330, 19.1026,  
29.2060

242.7927,  
247.0145, 312.2768

12.2352, 11.7444,  
18.9898

291.6842,  
297.3506, 372.6384

6.9774, 6.5699,  
11.4861

346.7346,

3.4942, 3.1946,

354.0988, 440.3166

6.2766

408.3091,  
417.6433, 515.7299

■ 1.4202, 1.2342,  
2.9425

■ 0.2705, 0.0893,  
1.0653

■ 77.9302, 78.0594,  
105.5673

■ 77.9302, 78.0594,  
105.5673

■ 65.3394, 62.0897,  
103.1485

■ 92.3222, 96.4901,  
108.3663

■ 54.4718, 48.4669,  
101.0918

95.0500, 100.0000,  
108.9000

■ 45.2529, 37.0821,  
99.3802

■ 37.6001, 27.8140,  
97.9946

■ 31.4236, 20.5296,  
96.9141

■ 26.6241, 15.0807,  
96.1154

■ 23.0892, 11.2976,  
95.5715

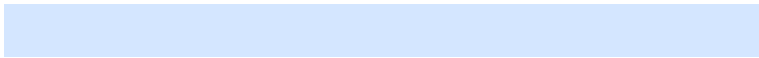
■ 20.6873, 8.9778,  
95.2503

■ 19.4143, 7.9233,  
95.1138

# Harmonies

## Analogous

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



74.0411, 78.0594, 108.7228



77.9302, 78.0594, 105.5673



80.9052, 78.0594, 96.7827

# Triad

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



77.9302, 78.0594, 105.5673



78.2029, 78.0594, 67.6566



66.8351, 78.0594, 84.5584

# Complementary

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



77.9302, 78.0594, 105.5673



88.4195, 97.0969, 85.3194

# Split Complementary

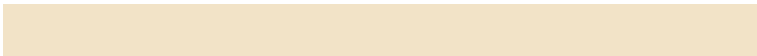
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.8630, 78.0594, 74.2026



77.9302, 78.0594, 105.5673



74.3454, 78.0594, 64.9953

# Square

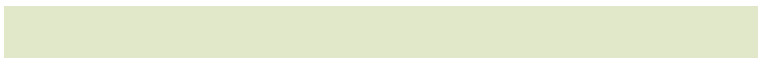
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9302, 78.0594, 105.5673



81.0665, 78.0594, 74.8942



70.5775, 78.0594, 67.2829



67.7197, 78.0594, 95.9620



# Rectangle

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



77.9302, 78.0594, 105.5673



81.9204, 78.0594, 89.2801



70.5775, 78.0594, 67.2829



66.9677, 78.0594, 80.8462

# Sweetspot

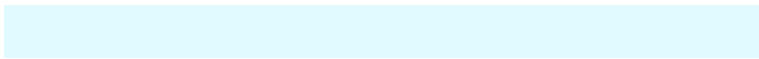
The Sweet Spot groups the original color and five complimentary colors.



77.9323, 78.0626, 105.5679



88.9430, 92.1488, 107.7064



83.1338, 91.2899, 107.8468



18.7987, 19.4173, 23.0071



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.



77.9323, 78.0626, 105.5679



74.9612, 74.2792, 104.9942



82.8081, 80.5762, 105.7960



17.3421, 17.5526, 22.7239



10.2395, 4.1892, 49.7035



1.0806, 0.4510, 4.8434



# Inverse Universe

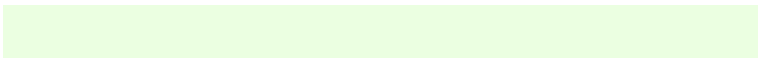
The Inverse Universe completely reimagines the original color for something new.



85.2661, 81.9531, 100.9498



83.5718, 78.8485, 99.5099



83.4486, 94.5343, 85.0868



18.6279, 18.2345, 21.9234



27.2998, 13.4092, 31.2927



2.6958, 1.3207, 3.2454



# Previews

## White Background



This preview shows how the XYZ color 77.9302, 78.0594, 105.5673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

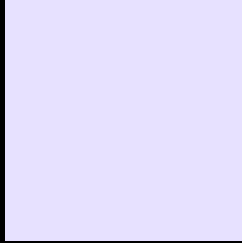
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9302, 78.0594, 105.5673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

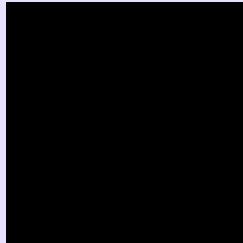
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.9302, 78.0594, 105.5673

## Background



This preview shows how black text looks on a background with the XYZ color 77.9302, 78.0594, 105.5673.



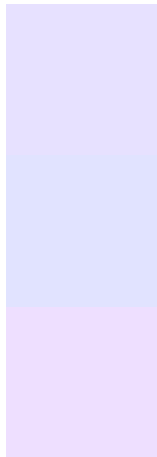
This preview shows how white text looks on a background with the XYZ color 77.9302, 78.0594,



# 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

77.9302, 78.0594, 105.5673

### Protanopia

76.5704, 78.1657, 105.6595

### Deuteranopia

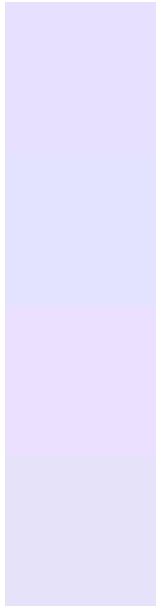
79.6976, 78.1725, 105.4960



## Tritanopia

76.2636, 78.1888, 97.4586

# Trichromacy



## Original Color

77.9302, 78.0594, 105.5673

## Protanomaly

76.9249, 77.9436, 105.5980

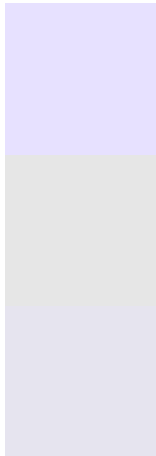
## Deuteranomaly

78.9666, 78.1935, 105.5386

## Tritanomaly

76.9284, 78.0553, 100.6341

# Monochromacy



## Original Color

77.9302, 78.0594, 105.5673

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.9565, 78.5418, 92.8181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9302, 78.0594, 105.5673 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(231, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 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(231, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9302, 78.0594, 105.5673 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(231, 225, 255) }
```



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

```
.border{ border-color:rgb(231, 225, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9302, 78.0594, 105.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 255) }
```

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

```
.background{ background-color: rgb(231,  
225, 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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