

# Converting Colors

XYZ(77.4655, 76.7000,  
101.9885)

Have a look what the booklet for  
XYZ(77.4655, 76.7000, 101.9885)  
contains.

<b>XYZ(77.4655, 76.7000, 101.9885)</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(77.4655, 76.7000,  
101.9885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EADEFB
RGB	234, 222, 251
RGB Percent	92%, 87%, 98%
CMY	0.0823, 0.1294, 0.0157
CMYK	0.07, 0.12, 0.00, 0.02
HSL	265°, 78%, 93%
HSV	265°, 12%, 98%
XYZ	77.4655, 76.7000, 101.9885
YIQ	228.8940, -2.1570, 11.5630

# Conversions

## Conversions Part 2

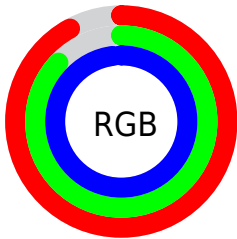
Format	Color
<a href="#">RYB</a>	<a href="#">234, 222, 251</a>
Decimal	<a href="#">15392507</a>
CIELab	<a href="#">90.18, 9.36, -12.61</a>
CIELCh	<a href="#">90, 15.705, 306.580</a>
Yxy	<a href="#">76.7000, 0.3024, 0.2994</a>
Android (android.graphics.Color)	<a href="#">4293582587</a> ( <a href="#">0xFFEADEFB</a> )
YUV	<a href="#">228.8940, 10.8983, 4.4780</a>
Hunter-Lab	<a href="#">87.5785, 4.6255, -7.7405</a>

# Details

The XYZ color **77.4655, 76.7000, 101.9885** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.2815, 92.6211, 82.5993**, and the grayscale version is **74.3237, 78.1944, 85.1537**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9164, 40.9975, 56.7430** is the 20% darker color. If you saturate the color by 10%, you get **66.6572, 61.9591, 99.7141**, and if you desaturate by 10%, it is **89.6721, 93.6390, 104.6159**.

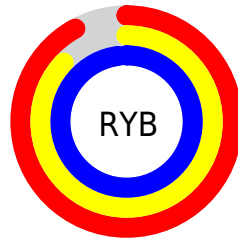
# Distribution



Red (92%)

Green (87%)

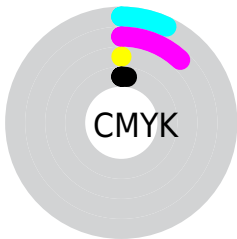
Blue (98%)



Red (92%)

Yellow (87%)

Blue (98%)

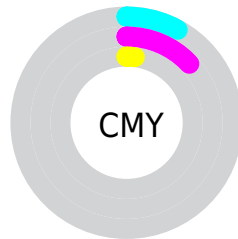


Cyan (7%)

Magenta (12%)

Yellow (0%)

Black (2%)



Cyan (8%)

Magenta (13%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4655, 76.7000, 101.9885 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 77.4655, 76.7000, 101.9885 by changing the saturation by 10% instead.



77.4655, 76.7000,  
101.9885

77.4655, 76.7000,  
101.9885

475.2173,  
483.7406, 587.8504

57.9363, 57.0067,  
77.3361

128.7657,  
128.7159, 165.9628

42.0005, 41.0106,  
57.0156

161.2674,  
161.8073, 206.1218

29.2928, 28.3274,  
40.6083

198.8240,  
200.1335, 252.2869

19.4478, 18.5726,  
27.6958

241.8008,  
244.0789, 304.8764

12.1002, 11.3618,  
17.8594

290.5632,  
294.0279, 364.3089

6.8847, 6.3108,  
10.6807

345.4765,

3.4358, 3.0350,

350.3650, 431.0031

5.7411

406.9061,  
413.4744, 505.3774

■ 1.3882, 1.1500,  
2.6221

■ 0.2478, 0.0203,  
0.9038

■ 77.4655, 76.7000,  
101.9885

■ 77.4655, 76.7000,  
101.9885

■ 66.6572, 61.9591,  
99.7141

■ 89.6721, 93.6390,  
104.6159

■ 57.1868, 49.3142,  
97.7725

■ 94.4128, 99.7451,  
105.5446

■ 48.9997, 38.6694,  
96.1493

■ 42.0344, 29.9174,  
94.8272

■ 36.2240, 22.9406,  
93.7867

■ 31.4941, 17.6075,  
93.0066

■ 27.7607, 13.7677,  
92.4622

■ 24.9241, 11.2410,  
92.1241

■ 23.1038, 9.8990,  
91.9609

# Harmonies

## Analogous

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



73.7644, 76.7000, 106.7355



77.4655, 76.7000, 101.9885



80.0065, 76.7000, 92.3503

# Triad

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



77.4655, 76.7000, 101.9885



75.9247, 76.7000, 65.3030



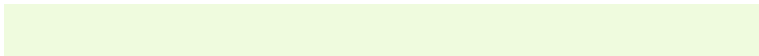
65.6971, 76.7000, 86.0006

# Complementary

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



77.4655, 76.7000, 101.9885



83.2815, 92.6211, 82.5993

# 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.



66.2292, 76.7000, 75.2587



77.4655, 76.7000, 101.9885



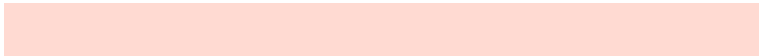
72.0444, 76.7000, 63.9301

# Square

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



77.4655, 76.7000, 101.9885



79.0950, 76.7000, 71.3484



68.5195, 76.7000, 67.4159



67.0392, 76.7000, 96.9878



# Rectangle

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



77.4655, 76.7000, 101.9885



80.6518, 76.7000, 84.8018



68.5195, 76.7000, 67.4159



65.6635, 76.7000, 82.2378

# Sweetspot

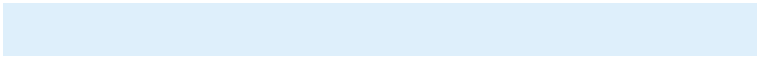
The Sweet Spot groups the original color and five complimentary colors.



77.4678, 76.7033, 101.9902



91.0271, 94.3751, 108.0263



78.5233, 84.4648, 103.4327



19.2583, 19.8861, 23.0733



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.



77.4678, 76.7033, 101.9902



77.4145, 75.5440, 105.1090



82.2830, 79.1856, 102.2155



16.9633, 16.9937, 21.7713



12.3004, 5.2838, 48.3451



1.2565, 0.5498, 4.4831



# Inverse Universe

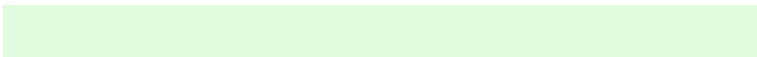
The Inverse Universe completely reimagines the original color for something new.



81.4876, 78.9872, 92.6164



82.4122, 78.3847, 93.4035



78.7049, 90.2617, 82.3851



17.6715, 17.3960, 20.1259



23.7608, 11.9201, 15.9808

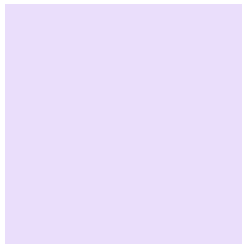


2.2534, 1.1251, 1.7579



# Previews

## White Background



This preview shows how the XYZ color 77.4655, 76.7000, 101.9885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

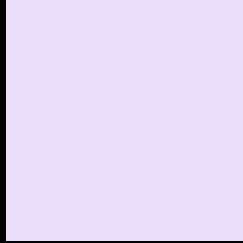
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4655, 76.7000, 101.9885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

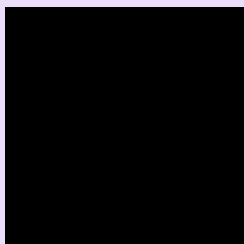
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4655, 76.7000, 101.9885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4655, 76.7000, 101.9885.



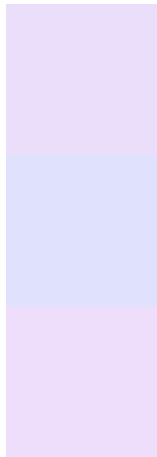
This preview shows how white text looks on a background with the XYZ color 77.4655, 76.7000,



# 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

77.4655, 76.7000, 101.9885

### Protanopia

75.0863, 76.6303, 103.7622

### Deuteranopia

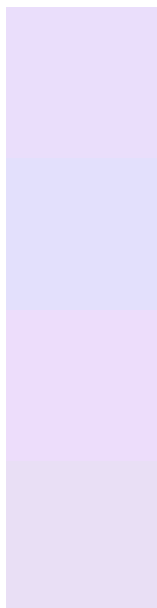
78.5289, 76.8551, 101.9624



## Tritanopia

75.8115, 76.8180, 94.0507

# Trichromacy



## Original Color

77.4655, 76.7000, 101.9885

## Protanomaly

75.9049, 76.6705, 102.8937

## Deuteranomaly

78.1941, 76.6825, 101.9467

## Tritanomaly

76.4734, 76.6916, 97.1586

# Monochromacy



## Original Color

77.4655, 76.7000, 101.9885

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.4374, 77.4961, 91.1030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4655, 76.7000, 101.9885 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(234, 222, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 222, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4655, 76.7000, 101.9885 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, 251) }
```



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

```
.border{ border-color:rgb(234, 222, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(234, 222,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4655, 76.7000, 101.9885 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, 251) }
```

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

```
.background{ background-color: rgb(234,  
222, 251) }
```

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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