

Converting Colors

XYZ(78.7272, 77.5970,
105.4361)

Have a look what the booklet for
XYZ(78.7272, 77.5970, 105.4361)
contains.

XYZ(78.6986, 77.6575, 105.4493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.6986, 77.6575,
105.4493)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDFFF
RGB	235, 223, 255
RGB Percent	92%, 87%, 100%
CMY	0.0784, 0.1255, 0.0000
CMYK	0.08, 0.13, 0.00, 0.00
HSL	262°, 100%, 94%
HSV	262°, 13%, 100%
XYZ	78.6986, 77.6575, 105.4493
YIQ	230.2360, -3.1200, 12.4960

Conversions

Conversions Part 2

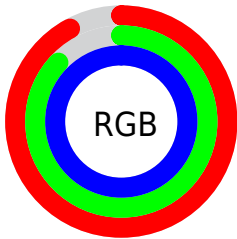
Format	Color
R_{YB}	235, 223, 255
Decimal	15458303
CIE _{Lab}	90.62, 9.93, -14.04
CIE _{LCh}	91, 17.197, 305.261
Yxy	77.6575, 0.3006, 0.2966
Android (android.graphics.Color)	4293648383 (0xFFE8DFFF)
YUV	230.2360, 12.2087, 4.1780
Hunter-Lab	88.1235, 5.1931, -9.2605

Details

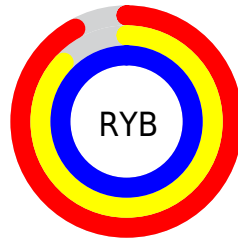
The XYZ color **78.6986, 77.6575, 105.4493** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.0433, 95.9033, 83.7920**, and the grayscale version is **75.3044, 79.2261, 86.2772**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7861, 41.6662, 59.2134** is the 20% darker color. If you saturate the color by 10%, you get **67.3637, 62.4523, 103.1118**, and if you desaturate by 10%, it is **91.5352, 95.1641, 108.1518**.

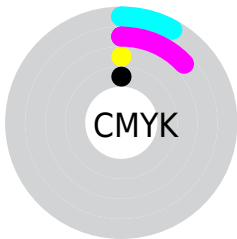
Distribution



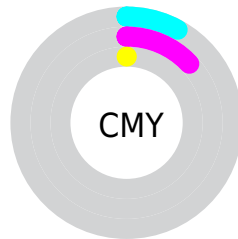
- Red (92%)
- Green (87%)
- Blue (100%)



- 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 78.6986, 77.6575, 105.4493 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 78.6986, 77.6575, 105.4493 by changing the saturation by 10% instead.

78.6986, 77.6575,
105.4493

78.6986, 77.6575,
105.4493

479.3397,
487.0029, 598.9212

58.9528, 57.7927,
80.2171

130.4946,
130.0672, 170.7428

42.8214, 41.6420,
59.3698

163.2756,
163.3808, 211.6411

29.9389, 28.8211,
42.4889

201.1323,
201.9462, 258.5985

19.9400, 18.9455,
29.1559

244.4301,
246.1477, 312.0336

12.4595, 11.6309,
18.9522

293.5344,
296.3698, 372.3648

7.1318, 6.4929,
11.4593

348.8105,

3.5917, 3.1470,

352.9967, 440.0108

6.2586

410.6239,
416.4129, 515.3901

■ 1.4739, 1.2090,
2.9316

■ 0.3080, 0.0690,
1.0598

■ 78.6986, 77.6575,
105.4493

■ 78.6986, 77.6575,
105.4493

■ 67.3637, 62.4523,
103.1118

■ 91.5352, 95.1641,
108.1518

■ 57.4661, 49.4411,
101.1220

95.0500, 100.0000,
108.9000

■ 48.9461, 38.5222,
99.4635

■ 41.7366, 29.5818,
98.1178

■ 35.7648, 22.4949,
97.0647

■ 30.9499, 17.1219,
96.2814

■ 27.1999, 13.3021,
95.7417

■ 24.4058, 10.8424,
95.4142

■ 22.8334, 9.6859,
95.2739

Harmonies

Analogous

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



74.5735, 77.6575, 110.4549



78.6986, 77.6575, 105.4493



81.5950, 77.6575, 94.8799

Triad

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



78.6986, 77.6575, 105.4493



77.3331, 77.6575, 64.7832



65.8640, 77.6575, 86.7506

Complementary

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



78.6986, 77.6575, 105.4493



86.0433, 95.9033, 83.7920

Split Complementary

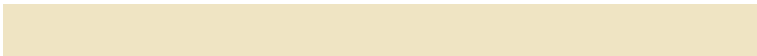
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5387, 77.6575, 75.0092



78.6986, 77.6575, 105.4493



73.0539, 77.6575, 63.0590

Square

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



78.6986, 77.6575, 105.4493



80.7854, 77.6575, 71.5830



69.1303, 77.6575, 66.6223



67.2502, 77.6575, 99.0083

Rectangle

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



78.6986, 77.6575, 105.4493



82.3802, 77.6575, 86.5313



69.1303, 77.6575, 66.6223



65.8579, 77.6575, 82.6107

Sweetspot

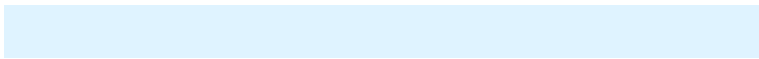
The Sweet Spot groups the original color and five complimentary colors.



78.7007, 77.6607, 105.4498



89.5752, 92.4747, 107.7360



80.6141, 87.1709, 107.1846



18.9583, 19.4996, 23.0145



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.



78.7007, 77.6607, 105.4498



75.7832, 73.7212, 104.8431



84.1270, 80.4581, 105.7037



17.6465, 17.7095, 22.7382



12.0825, 5.1392, 49.7897



1.2927, 0.5603, 4.8533

Inverse Universe

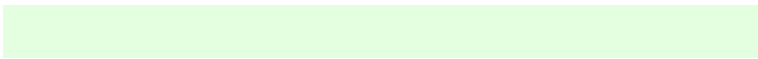
The Inverse Universe completely reimagines the original color for something new.



83.8073, 80.5095, 95.9194



81.8146, 77.0874, 93.5187



80.8442, 93.2230, 83.5487



18.4869, 18.1781, 21.1812



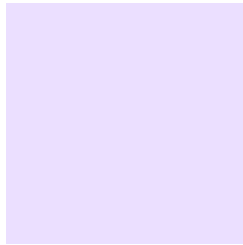
24.9111, 12.4537, 18.7139



2.4785, 1.2338, 2.1013

Previews

White Background



This preview shows how the XYZ color 78.6986, 77.6575, 105.4493 looks on a white background.

Color Contrast Check

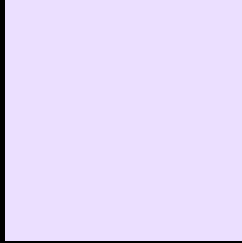
Large Text (above 18pt) WCAG AA × Fail

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 78.6986, 77.6575, 105.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

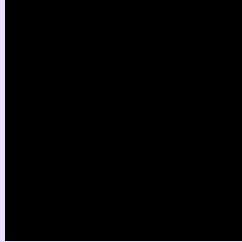
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6986, 77.6575, 105.4493

Background



This preview shows how black text looks on a background with the XYZ color 78.6986, 77.6575, 105.4493.

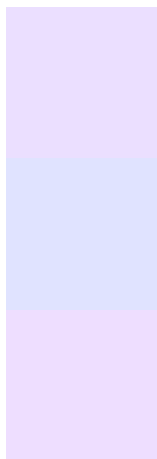


This preview shows how white text looks on a background with the XYZ color 78.6986, 77.6575,

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

78.6986, 77.6575, 105.4493

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

79.4312, 77.6397, 105.4072



Tritanopia

76.7071, 77.6451, 95.7381

Trichromacy



Original Color

78.6986, 77.6575, 105.4493

Protanomaly

77.2413, 78.1067, 105.6128

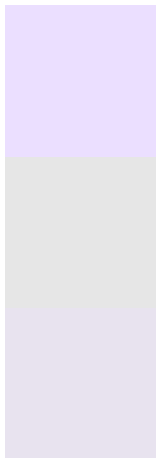
Deuteranomaly

79.0963, 77.4671, 105.3916

Tritanomaly

77.3758, 77.5191, 98.8802

Monochromacy



Original Color

78.6986, 77.6575, 105.4493

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.3278, 78.3260, 92.7569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6986, 77.6575, 105.4493 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(235, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 223, 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(235, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.6986, 77.6575, 105.4493 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(235, 223, 255) }
```


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

```
.border{ border-color:rgb(235, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6986, 77.6575, 105.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 223, 255) }
```

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

```
.background{ background-color: rgb(235,  
223, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor