

Converting Colors

XYZ(77.4805, 74.7148,
104.9455)

Have a look what the booklet for
XYZ(77.4805, 74.7148, 104.9455)
contains.

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Color

**XYZ(77.4549, 74.6786,
104.9398)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD9FF
RGB	236, 217, 255
RGB Percent	93%, 85%, 100%
CMY	0.0745, 0.1490, 0.0000
CMYK	0.07, 0.15, 0.00, 0.00
HSL	270°, 100%, 93%
HSV	270°, 15%, 100%
XYZ	77.4549, 74.6786, 104.9398
YIQ	227.0130, -0.8740, 15.8460

Conversions

Conversions Part 2

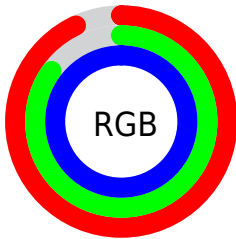
Format	Color
R _Y B	236, 217, 255
Decimal	15522303
CIE Lab	89.24, 13.39, -16.10
CIE LCh	89, 20.946, 309.753
Yxy	74.6786, 0.3013, 0.2905
Android (android.graphics.Color)	4293712383 (0xFFECD9FF)
YUV	227.0130, 13.7976, 7.8816
Hunter-Lab	86.4168, 8.7592, -11.5068

Details

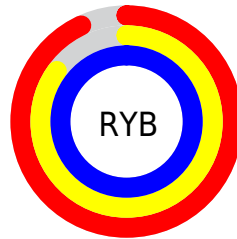
The XYZ color **77.4549, 74.6786, 104.9398** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8783, 94.3635, 79.4951**, and the grayscale version is **72.9283, 76.7262, 83.5549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9358, 39.6212, 58.8635** is the 20% darker color. If you saturate the color by 10%, you get **67.3001, 60.4304, 102.7249**, and if you desaturate by 10%, it is **88.9315, 91.1198, 107.5084**.

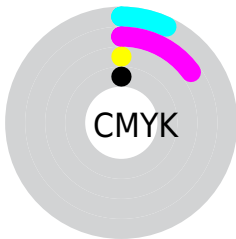
Distribution



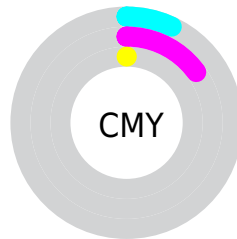
- Red (93%)
- Green (85%)
- Blue (100%)



- Red (93%)
- Yellow (85%)
- Blue (100%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4549, 74.6786, 104.9398 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 77.4549, 74.6786, 104.9398 by changing the saturation by 10% instead.

77.4549, 74.6786,
104.9398

77.4549, 74.6786,
104.9398

475.1818,
476.8122, 597.2981

57.9275, 55.3496,
79.7925

128.7509,
125.8573, 170.0401

41.9934, 39.6817,
59.0225

161.2502,
158.4758, 210.8301

29.2872, 27.2905,
42.2111

198.8041,
196.2930, 257.6716

19.4436, 17.7915,
28.9398

241.7782,
239.6932, 310.9829

12.0971, 10.8004,
18.7901

290.5376,
289.0608, 371.1827

6.8825, 5.9328,
11.3434

345.4478,

3.4344, 2.8042,

344.7802, 438.6895

6.1813

406.8741,
407.2359, 513.9218

■ 1.3874, 1.0304,
2.8850

■ 0.2473, 0.0000,
1.0362

■ 77.4549, 74.6786,
104.9398

■ 77.4549, 74.6786,
104.9398

■ 67.3001, 60.4304,
102.7249

■ 88.9315, 91.1198,
107.5084

■ 58.4084, 48.2697,
100.8463

95.0500, 100.0000,
108.9000

■ 50.7250, 38.0961,
99.2875

■ 44.1889, 29.7970,
98.0301

■ 38.7326, 23.2480,
97.0536

■ 34.2809, 18.3094,
96.3350

■ 30.7469, 14.8185,
95.8475

■ 28.0251, 12.5761,
95.5581

■ 26.8762, 11.7701,
95.4631

Harmonies

Analogous

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



72.6584, 74.6786, 112.3419



77.4549, 74.6786, 104.9398



80.6101, 74.6786, 91.4520

Triad

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



77.4549, 74.6786, 104.9398



74.4372, 74.6786, 57.6509



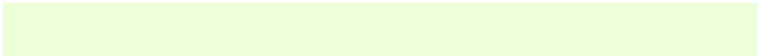
61.7237, 74.6786, 86.1764

Complementary

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



77.4549, 74.6786, 104.9398



82.8783, 94.3635, 79.4951

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.



62.1487, 74.6786, 71.9513



77.4549, 74.6786, 104.9398



69.3272, 74.6786, 56.5974

Square

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



77.4549, 74.6786, 104.9398



78.8106, 74.6786, 64.6015



64.8760, 74.6786, 61.5275



63.6856, 74.6786, 100.6816

Rectangle

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



77.4549, 74.6786, 104.9398



81.2731, 74.6786, 81.4338



64.8760, 74.6786, 61.5275



61.5944, 74.6786, 81.1909

Sweetspot

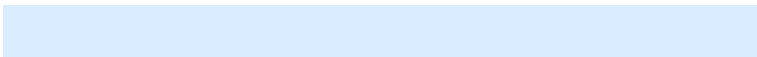
The Sweet Spot groups the original color and five complimentary colors.



77.4569, 74.6817, 104.9403



90.0304, 92.7093, 107.7573



76.8458, 82.3303, 106.4489



19.0734, 19.5589, 23.0199



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.



77.4569, 74.6817, 104.9403



74.1696, 70.0340, 104.2165



83.8717, 77.9886, 105.2405



17.8684, 17.8239, 22.7485



14.2156, 6.2389, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

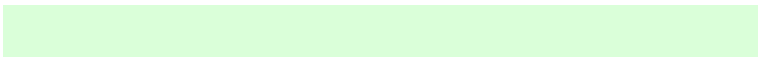
The Inverse Universe completely reimagines the original color for something new.



81.1951, 76.9448, 89.9319



78.6377, 72.7391, 86.2773



77.0906, 91.3798, 79.2243



18.3882, 18.1386, 20.6614



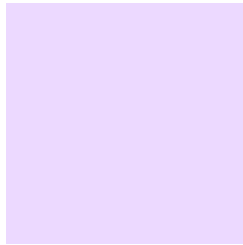
23.6431, 11.9465, 12.0368



2.3572, 1.1852, 1.4622

Previews

White Background



This preview shows how the XYZ color 77.4549, 74.6786, 104.9398 looks on a white background.

Color Contrast Check

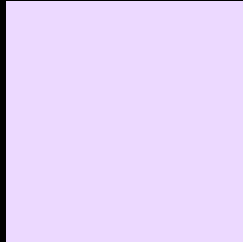
Large Text (above 18pt) WCAG AA × Fail

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 77.4549, 74.6786, 104.9398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

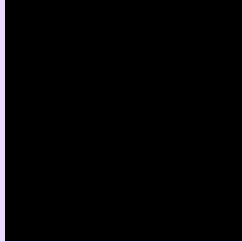
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4549, 74.6786, 104.9398

Background



This preview shows how black text looks on a background with the XYZ color 77.4549, 74.6786, 104.9398.

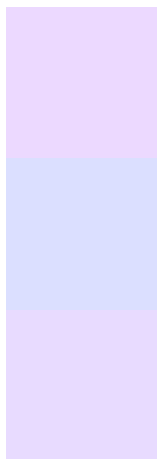


This preview shows how white text looks on a background with the XYZ color 77.4549, 74.6786,

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

77.4549, 74.6786, 104.9398

Protanopia

73.6511, 75.0554, 105.2131

Deuteranopia

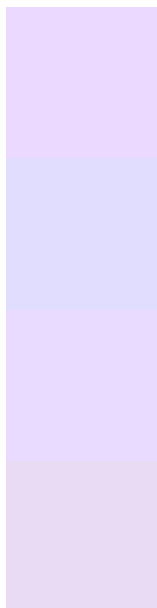
76.6602, 75.0388, 105.0513



Tritanopia

74.4835, 74.6245, 90.5990

Trichromacy



Original Color

77.4549, 74.6786, 104.9398

Protanomaly

74.9578, 74.9405, 105.1220

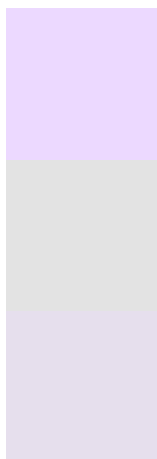
Deuteranomaly

76.7257, 74.6864, 104.9798

Tritanomaly

75.5923, 74.6871, 96.0199

Monochromacy



Original Color

77.4549, 74.6786, 104.9398

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

74.3069, 75.7128, 90.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4549, 74.6786, 104.9398 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(236, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 217, 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(236, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.4549, 74.6786, 104.9398 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(236, 217, 255) }
```


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

```
.border{ border-color:rgb(236, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4549, 74.6786, 104.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 217, 255) }
```

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

```
.background{ background-color: rgb(236,  
217, 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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