

Converting Colors

XYZ(84.4305, 78.7605,
139.8929)

Have a look what the booklet for
XYZ(84.4305, 78.7605, 139.8929)
contains.

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Color

**XYZ(77.9041, 76.0686,
105.1845)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDCFF
RGB	235, 220, 255
RGB Percent	92%, 86%, 100%
CMY	0.0784, 0.1372, 0.0000
CMYK	0.08, 0.14, 0.00, 0.00
HSL	266°, 100%, 93%
HSV	266°, 14%, 100%
XYZ	77.9041, 76.0686, 105.1845
YIQ	228.4750, -2.2950, 14.0650

Conversions

Conversions Part 2

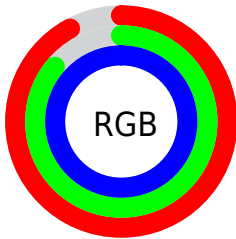
Format	Color
R _Y B	235, 220, 255
Decimal	15457535
CIE Lab	89.89, 11.50, -15.14
CIE LCh	90, 19.010, 307.219
Yxy	76.0686, 0.3006, 0.2935
Android (android.graphics.Color)	4293647615 (0xFFE8DCFF)
YUV	228.4750, 13.0768, 5.7224
Hunter-Lab	87.2173, 6.8092, -10.4519

Details

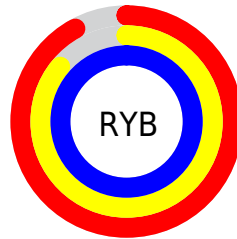
The XYZ color **77.9041, 76.0686, 105.1845** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.6154, 95.2135, 81.6323**, and the grayscale version is **74.0008, 77.8546, 84.7837**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2386, 40.5712, 59.0309** is the 20% darker color. If you saturate the color by 10%, you get **67.0998, 61.3117, 102.9055**, and if you desaturate by 10%, it is **90.1274, 93.0765, 107.8231**.

Distribution



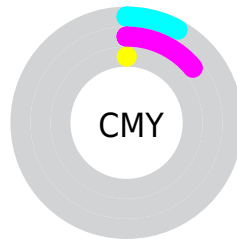
- Red (92%)
- Green (86%)
- Blue (100%)



- Red (92%)
- Yellow (86%)
- Blue (100%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9041, 76.0686, 105.1845 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 77.9041, 76.0686, 105.1845 by changing the saturation by 10% instead.

77.9041, 76.0686,
105.1845

77.9041, 76.0686,
105.1845

476.6859,
481.5825, 598.0779

58.2977, 56.4888,
79.9964

129.3810,
127.8239, 170.3776

42.2922, 40.5949,
59.1893

161.9822,
160.7681, 211.2197

29.5223, 28.0027,
42.3445

199.6458,
198.9359, 258.1169

19.6225, 18.3277,
29.0435

242.7370,
242.7117, 311.4877

12.2276, 11.1855,
18.8679

291.6213,
292.4798, 371.7506

6.9722, 6.1918,
11.3990

346.6640,

3.4909, 2.9620,

348.6248, 439.3243

6.2184

408.2304,
411.5309, 514.6272

■ 1.4184, 1.1119,
2.9074

■ 0.2693, 0.0000,
1.0475

■ 77.9041, 76.0686,
105.1845

■ 77.9041, 76.0686,
105.1845

■ 67.0998, 61.3117,
102.9055

■ 90.1274, 93.0765,
107.8231

■ 57.6529, 48.6993,
100.9690

95.0500, 100.0000,
108.9000

■ 49.5060, 38.1303,
99.3584

■ 42.5950, 29.4915,
98.0552

■ 36.8497, 22.6582,
97.0390

■ 32.1921, 17.4906,
96.2870

■ 28.5326, 13.8272,
95.7728

■ 25.7641, 11.4719,
95.4641

■ 24.3906, 10.4887,
95.3467

Harmonies

Analogous

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



73.4421, 76.0686, 111.2361



77.9041, 76.0686, 105.1845



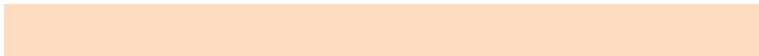
80.9542, 76.0686, 93.2532

Triad

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



77.9041, 76.0686, 105.1845



75.8557, 76.0686, 61.1881



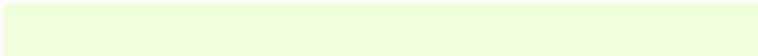
63.7038, 76.0686, 86.1198

Complementary

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



77.9041, 76.0686, 105.1845



84.6154, 95.2135, 81.6323

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.



64.2874, 76.0686, 73.2062



77.9041, 76.0686, 105.1845



71.1716, 76.0686, 59.7183

Square

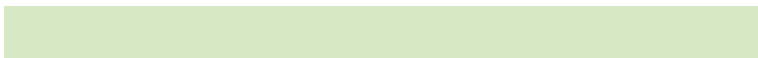
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9041, 76.0686, 105.1845



79.7362, 76.0686, 68.1412



66.9731, 76.0686, 63.8838



65.3429, 76.0686, 99.4816

Rectangle

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



77.9041, 76.0686, 105.1845



81.7049, 76.0686, 84.0873



66.9731, 76.0686, 63.8838



63.6477, 76.0686, 81.5769

Sweetspot

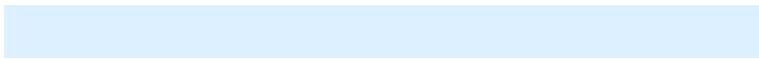
The Sweet Spot groups the original color and five complimentary colors.



77.9062, 76.0717, 105.1850



89.7698, 92.5750, 107.7451



78.8504, 85.0036, 106.8592



19.0075, 19.5250, 23.0168



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.



77.9062, 76.0717, 105.1850



75.3235, 72.5174, 104.6350



83.8199, 79.1204, 105.4617



17.7411, 17.7583, 22.7426



12.9074, 5.5645, 49.8283



1.3788, 0.6047, 4.8573

Inverse Universe

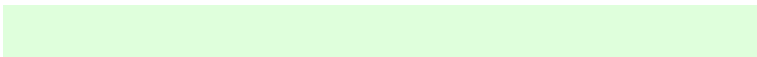
The Inverse Universe completely reimagines the original color for something new.



82.5634, 78.7408, 93.2879



80.6988, 75.5991, 90.8553



79.0863, 92.3631, 81.3735



18.4444, 18.1611, 20.9574



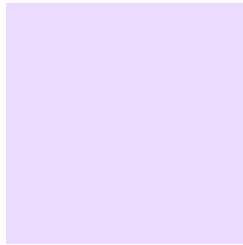
24.3249, 12.2193, 15.6274



2.4232, 1.2117, 1.8099

Previews

White Background



This preview shows how the XYZ color 77.9041, 76.0686, 105.1845 looks on a white background.

Color Contrast Check

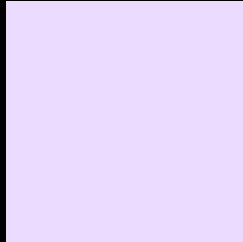
Large Text (above 18pt) WCAG AA × Fail

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 77.9041, 76.0686, 105.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

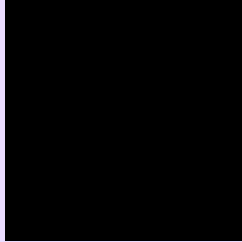
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9041, 76.0686, 105.1845

Background



This preview shows how black text looks on a background with the XYZ color 77.9041, 76.0686, 105.1845.

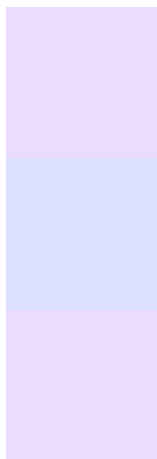


This preview shows how white text looks on a background with the XYZ color 77.9041, 76.0686,

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

77.9041, 76.0686, 105.1845

Protanopia

74.7940, 76.4426, 105.4206

Deuteranopia

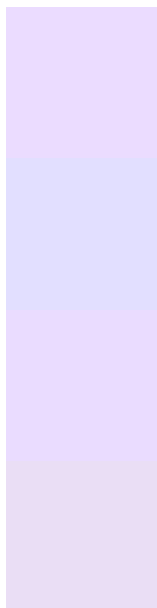
77.5749, 75.8988, 105.1690



Tritanopia

75.7201, 76.3903, 93.1920

Trichromacy



Original Color

77.9041, 76.0686, 105.1845

Protanomaly

75.8017, 76.1641, 105.3137

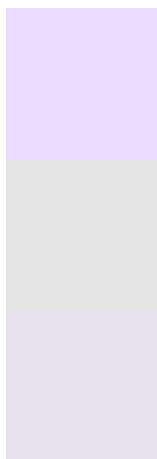
Deuteranomaly

77.5749, 75.8988, 105.1690

Tritanomaly

76.5344, 76.3275, 97.0851

Monochromacy



Original Color

77.9041, 76.0686, 105.1845

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

75.3128, 77.0124, 91.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9041, 76.0686, 105.1845 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 220, 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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.9041, 76.0686, 105.1845 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, 220, 255) }
```


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

```
.border{ border-color:rgb(235, 220, 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, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9041, 76.0686, 105.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 220, 255) }
```

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

```
.background{ background-color: rgb(235,  
220, 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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