

Converting Colors

XYZ(77.7699, 75.5207,
109.5034)

Have a look what the booklet for
XYZ(77.7699, 75.5207, 109.5034)
contains.

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Color

**XYZ(76.9858, 75.2067,
105.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	E9DBFF
RGB	233, 219, 255
RGB Percent	91%, 86%, 100%
CMY	0.0863, 0.1412, 0.0000
CMYK	0.09, 0.14, 0.00, 0.00
HSL	263°, 100%, 93%
HSV	263°, 14%, 100%
XYZ	76.9858, 75.2067, 105.0665
YIQ	227.2900, -3.2120, 14.1640

Conversions

Conversions Part 2

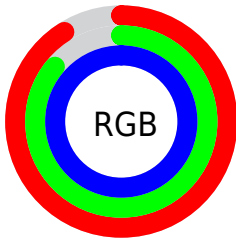
Format	Color
R _Y B	233, 219, 255
Decimal	15326207
CIE Lab	89.49, 11.38, -15.76
CIE LCh	89, 19.438, 305.846
Yxy	75.2067, 0.2993, 0.2923
Android (android.graphics.Color)	4293516287 (0xFFE9DBFF)
YUV	227.2900, 13.6610, 5.0077
Hunter-Lab	86.7218, 6.6972, -11.1267

Details

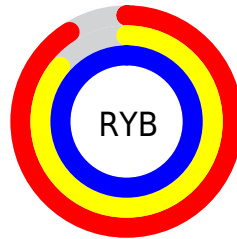
The XYZ color **76.9858, 75.2067, 105.0665** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.8236, 95.3361, 80.9525**, and the grayscale version is **73.1319, 76.9404, 83.7881**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6000, 39.9752, 58.9495** is the 20% darker color. If you saturate the color by 10%, you get **65.9715, 60.3996, 102.7889**, and if you desaturate by 10%, it is **89.4725, 92.2897, 107.7057**.

Distribution



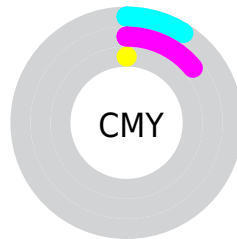
- Red (91%)
- Green (86%)
- Blue (100%)



- Red (91%)
- Yellow (86%)
- Blue (100%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9858, 75.2067, 105.0665 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 76.9858, 75.2067, 105.0665 by changing the saturation by 10% instead.

76.9858, 75.2067,
105.0665

76.9858, 75.2067,
105.0665

473.6083,
478.6277, 597.7019

57.5411, 55.7822,
79.8981

128.0924,
126.6049, 170.2148

41.6817, 40.0284,
59.1088

160.4850,
159.3475, 211.0319

29.0421, 27.5607,
42.2801

197.9243,
197.2982, 257.9022

19.2571, 17.9947,
28.9935

240.7756,
240.8414, 311.2443

11.9613, 10.9462,
18.8304

289.4043,
290.3616, 371.4768

6.7894, 6.0307,
11.3722

344.1757,

3.3759, 2.8637,

346.2431, 439.0182

6.2005

405.4553,
408.8703, 514.2871

■ 1.3555, 1.0610,
2.8966

■ 0.2242, 0.0000,
1.0421

■ 76.9858, 75.2067,
105.0665

■ 76.9858, 75.2067,
105.0665

■ 65.9715, 60.3996,
102.7889

■ 89.4725, 92.2897,
107.7057

■ 56.3658, 47.7606,
100.8557

95.0500, 100.0000,
108.9000

■ 48.1087, 37.1871,
99.2500

■ 41.1337, 28.5642,
97.9532

■ 35.3676, 21.7655,
96.9448

■ 30.7292, 16.6489,
96.2017

■ 27.1255, 13.0505,
95.6971

■ 24.4453, 10.7706,
95.3983

■ 23.2129, 9.8816,
95.2916

Harmonies

Analogous

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



72.4195, 75.2067, 110.8812



76.9858, 75.2067, 105.0665



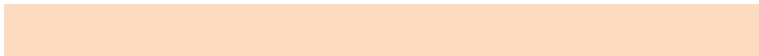
80.1771, 75.2067, 93.1074

Triad

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



76.9858, 75.2067, 105.0665



75.2990, 75.2067, 60.1911



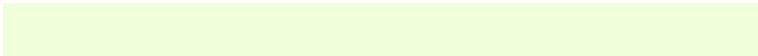
62.7442, 75.2067, 84.5907

Complementary

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



76.9858, 75.2067, 105.0665



84.8236, 95.3361, 80.9525

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.



63.4389, 75.2067, 71.6069



76.9858, 75.2067, 105.0665



70.5520, 75.2067, 58.4473

Square

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



76.9858, 75.2067, 105.0665



79.1733, 75.2067, 67.4543



66.2464, 75.2067, 62.3956



64.3051, 75.2067, 98.2448

Rectangle

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



76.9858, 75.2067, 105.0665



81.0205, 75.2067, 83.8040



66.2464, 75.2067, 62.3956



62.7226, 75.2067, 80.0001

Sweetspot

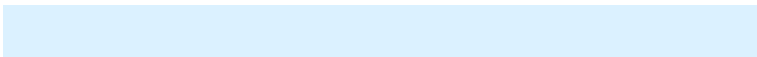
The Sweet Spot groups the original color and five complimentary colors.



76.9878, 75.2098, 105.0670



89.6256, 92.5007, 107.7384



78.7801, 85.3112, 106.9223



18.9711, 19.5062, 23.0151



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.



76.9878, 75.2098, 105.0670



73.6621, 70.7092, 104.3736



83.0948, 78.3580, 105.3528



17.6710, 17.7221, 22.7393



12.2840, 5.2431, 49.7992



1.3140, 0.5713, 4.8543

Inverse Universe

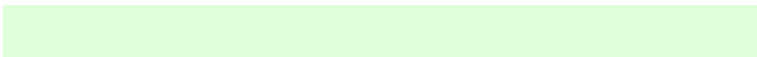
The Inverse Universe completely reimagines the original color for something new.



82.4506, 78.2769, 93.9850



80.1497, 74.3536, 91.1265



79.0414, 92.3553, 80.6819



18.4759, 18.1737, 21.1230



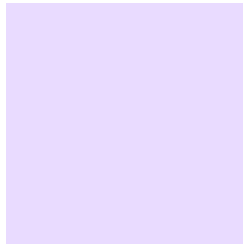
24.7527, 12.3904, 17.8800



2.4637, 1.2278, 2.0232

Previews

White Background



This preview shows how the XYZ color 76.9858, 75.2067, 105.0665 looks on a white background.

Color Contrast Check

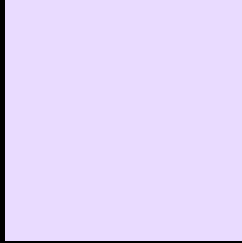
Large Text (above 18pt) WCAG AA × Fail

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 76.9858, 75.2067, 105.0665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

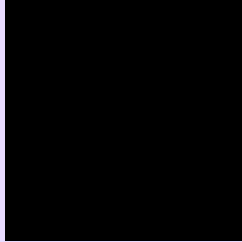
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9858, 75.2067, 105.0665

Background



This preview shows how black text looks on a background with the XYZ color 76.9858, 75.2067, 105.0665.

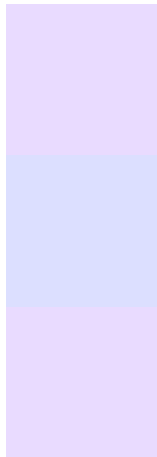


This preview shows how white text looks on a background with the XYZ color 76.9858, 75.2067,

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

76.9858, 75.2067, 105.0665

Protanopia

73.9529, 75.2110, 105.2272

Deuteranopia

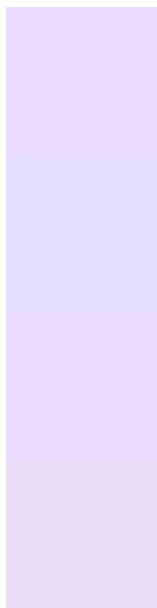
76.9858, 75.2067, 105.0665



Tritanopia

74.3344, 75.2975, 92.2774

Trichromacy



Original Color

76.9858, 75.2067, 105.0665

Protanomaly

75.2226, 75.4701, 105.2103

Deuteranomaly

76.9858, 75.2067, 105.0665

Tritanomaly

75.2929, 75.2944, 96.9511

Monochromacy



Original Color

76.9858, 75.2067, 105.0665

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

74.2548, 76.0837, 90.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9858, 75.2067, 105.0665 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(233, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 219, 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(233, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 219, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9858, 75.2067, 105.0665 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(233, 219, 255) }
```


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

```
.border{ border-color:rgb(233, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 219,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9858, 75.2067, 105.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 219, 255) }
```

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

```
.background{ background-color: rgb(233,  
219, 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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