

Converting Colors

XYZ(101.6063, 87.7314,
244.0148)

Have a look what the booklet for
XYZ(101.6063, 87.7314, 244.0148)
contains.

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Color

**XYZ(75.3706, 77.1423,
105.5252)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE2FF
RGB	222, 226, 255
RGB Percent	87%, 89%, 100%
CMY	0.1294, 0.1137, 0.0000
CMYK	0.13, 0.11, 0.00, 0.00
HSL	233°, 100%, 94%
HSV	233°, 13%, 100%
XYZ	75.3706, 77.1423, 105.5252
YIQ	228.1100, -11.6930, 8.1710

Conversions

Conversions Part 2

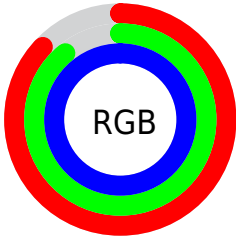
Format	Color
R _Y B	222, 226, 255
Decimal	14607103
CIE Lab	90.39, 4.23, -14.50
CIE LCh	90, 15.102, 286.277
Yxy	77.1423, 0.2921, 0.2990
Android (android.graphics.Color)	4292797183 (0xFFDEE2FF)
YUV	228.1100, 13.2568, -5.3585
Hunter-Lab	87.8307, -0.5266, -9.7532

Details

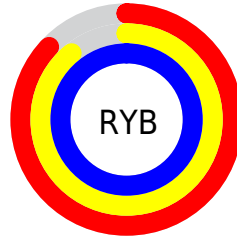
The XYZ color **75.3706, 77.1423, 105.5252** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.9216, 95.5269, 82.8609**, and the grayscale version is **73.7373, 77.5774, 84.4818**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6923, 41.4185, 59.2759** is the 20% darker color. If you saturate the color by 10%, you get **62.4433, 62.0182, 103.2873**, and if you desaturate by 10%, it is **90.2794, 94.4740, 108.0848**.

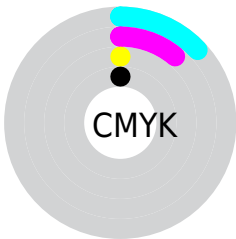
Distribution



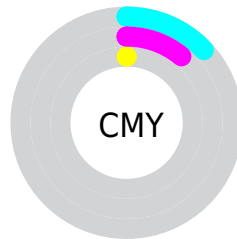
- Red (87%)
- Green (89%)
- Blue (100%)



- Red (87%)
- Yellow (89%)
- Blue (100%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3706, 77.1423, 105.5252 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 75.3706, 77.1423, 105.5252 by changing the saturation by 10% instead.

■ 75.3706, 77.1423,
105.5252

■ 75.3706, 77.1423,
105.5252

468.1680,
485.2491, 599.1628

■ 56.2118, 57.3697,
80.2803

125.8219,
129.3403, 170.8474

■ 40.6104, 41.3021,
59.4215

157.8452,
162.5345, 211.7619

■ 28.2011, 28.5552,
42.5303

194.8873,
200.9714, 258.7365

■ 18.6186, 18.7446,
29.1881

237.3136,
245.0353, 312.1900

■ 11.4974, 11.4859,
18.9763

285.4894,
295.1106, 372.5408

■ 6.4722, 6.3947,
11.4765

339.7802,

■ 3.1776, 3.0865,

351.5817, 440.2075

6.2701

400.5513,
414.8331, 515.6087

■ 1.2484, 1.1771,
2.9386

■ 0.1441, 0.0429,
1.0634

■ 75.3706, 77.1423,
105.5252

■ 75.3706, 77.1423,
105.5252

■ 62.4433, 62.0182,
103.2873

■ 90.2794, 94.4740,
108.0848

■ 51.4079, 49.0037,
101.3569

95.0500, 100.0000,
108.9000

■ 42.1769, 38.0076,
99.7210

■ 34.6535, 28.9280,
98.3650

■ 28.7318, 21.6542,
97.2731

■ 24.2938, 16.0641,
96.4280

■ 21.2052, 12.0200,
95.8102

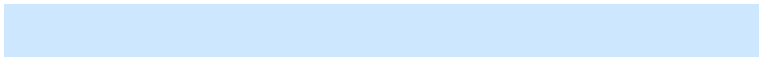
■ 19.3060, 9.3617,
95.3972

■ 18.5382, 8.1963,
95.2127

Harmonies

Analogous

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



71.6163, 77.1423, 105.8041



75.3706, 77.1423, 105.5252



78.6822, 77.1423, 99.1658

Triad

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



75.3706, 77.1423, 105.5252



78.4432, 77.1423, 69.8760



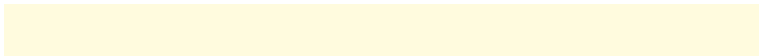
66.5069, 77.1423, 79.1686

Complementary

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



75.3706, 77.1423, 105.5252



88.9216, 95.5269, 82.8609

Split Complementary

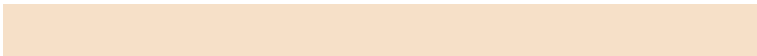
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2098, 77.1423, 70.4559



75.3706, 77.1423, 105.5252



75.0534, 77.1423, 65.4096

Square

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



75.3706, 77.1423, 105.5252



80.4973, 77.1423, 78.3132



71.3098, 77.1423, 65.6124



66.5852, 77.1423, 89.9449

Rectangle

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



75.3706, 77.1423, 105.5252



80.1554, 77.1423, 92.6211



71.3098, 77.1423, 65.6124



66.8874, 77.1423, 75.9216

Sweetspot

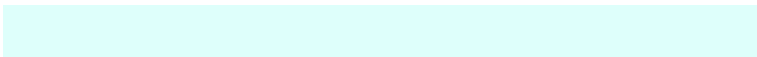
The Sweet Spot groups the original color and five complimentary colors.



75.3727, 77.1454, 105.5257



88.6035, 92.5307, 107.7980



83.2346, 93.9898, 104.6917



18.7132, 19.5135, 23.0301



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.



75.3727, 77.1454, 105.5257



71.2103, 72.2870, 104.8073



78.1370, 76.9735, 105.3469



17.1805, 17.7325, 22.7672



9.7419, 4.3933, 49.7691



1.0022, 0.5352, 4.8637

Inverse Universe

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



81.0901, 78.9952, 82.9288



78.1430, 74.5768, 77.3968



85.8731, 95.8311, 83.0803



18.0990, 18.0229, 19.1384



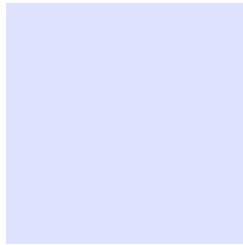
21.7054, 11.1715, 1.8334



2.1405, 1.0986, 0.3213

Previews

White Background



This preview shows how the XYZ color 75.3706, 77.1423, 105.5252 looks on a white background.

Color Contrast Check

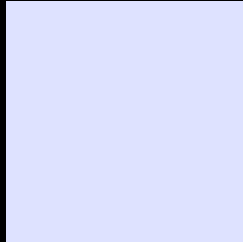
Large Text (above 18pt) WCAG AA × Fail

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 75.3706, 77.1423, 105.5252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

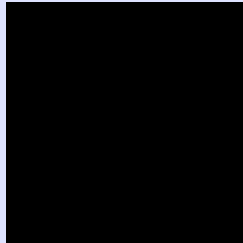
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.3706, 77.1423, 105.5252

Background



This preview shows how black text looks on a background with the XYZ color 75.3706, 77.1423, 105.5252.

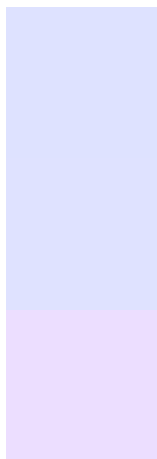


This preview shows how white text looks on a background with the XYZ color 75.3706, 77.1423,

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

75.3706, 77.1423, 105.5252

Protanopia

75.6778, 77.3007, 105.5396

Deuteranopia

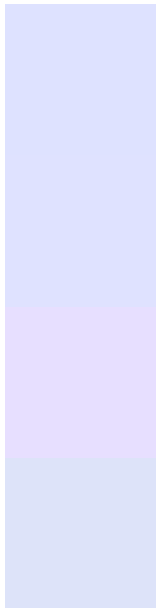
78.7633, 77.2954, 105.3760



Tritanopia

73.8932, 77.3563, 98.2254

Trichromacy



Original Color

75.3706, 77.1423, 105.5252

Protanomaly

75.6778, 77.3007, 105.5396

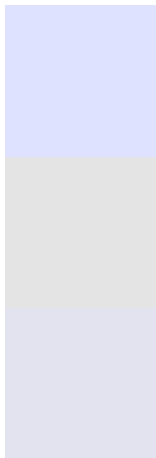
Deuteranomaly

77.3927, 76.9843, 105.3882

Tritanomaly

74.3868, 77.1499, 100.5933

Monochromacy



Original Color

75.3706, 77.1423, 105.5252

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

74.2657, 77.2800, 91.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3706, 77.1423, 105.5252 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(222, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 226, 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(222, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.3706, 77.1423, 105.5252 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(222, 226, 255) }
```


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

```
.border{ border-color:rgb(222, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3706, 77.1423, 105.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 226, 255) }
```

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

```
.background{ background-color: rgb(222,  
226, 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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