

Converting Colors

XYZ(85.7978, 83.4737,
153.8548)

Have a look what the booklet for
XYZ(85.7978, 83.4737, 153.8548)
contains.

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Color

**XYZ(76.7501, 79.9014,
105.9851)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE7FF
RGB	222, 231, 255
RGB Percent	87%, 91%, 100%
CMY	0.1294, 0.0941, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	224°, 100%, 94%
HSV	224°, 13%, 100%
XYZ	76.7501, 79.9014, 105.9851
YIQ	231.0450, -13.0680, 5.5560

Conversions

Conversions Part 2

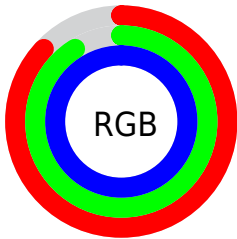
Format	Color
R _Y B	222, 229, 255
Decimal	14608383
CIE Lab	91.64, 1.64, -12.62
CIE LCh	92, 12.728, 277.385
Yxy	79.9014, 0.2922, 0.3042
Android (android.graphics.Color)	4292798463 (0xFFDEE7FF)
YUV	231.0450, 11.8098, -7.9325
Hunter-Lab	89.3876, -3.1643, -7.7277

Details

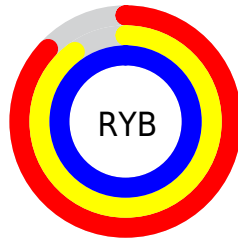
The XYZ color **76.7501, 79.9014, 105.9851** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3800, 92.4439, 82.3469**, and the grayscale version is **75.9128, 79.8662, 86.9743**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4594, 42.9527, 59.5316** is the 20% darker color. If you saturate the color by 10%, you get **64.6050, 66.3417, 104.0079**, and if you desaturate by 10%, it is **90.6304, 95.1762, 108.2018**.

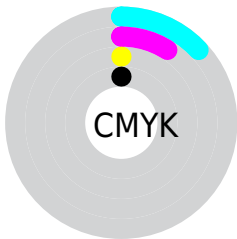
Distribution



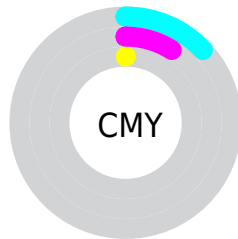
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7501, 79.9014, 105.9851 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 76.7501, 79.9014, 105.9851 by changing the saturation by 10% instead.

■ 76.7501, 79.9014,
105.9851

■ 76.7501, 79.9014,
105.9851

472.8166,
494.6005, 600.6255

■ 57.3470, 59.6372,
80.6636

127.7614,
133.2271, 171.4814

■ 41.5251, 43.1263,
59.7352

160.1003,
167.0574, 212.4933

■ 28.9191, 29.9842,
42.7814

197.4818,
206.1785, 259.5725

■ 19.1636, 19.8266,
29.3835

240.2713,
250.9749, 313.1374

■ 11.8933, 12.2691,
19.1230

288.8342,
301.8309, 373.6066

■ 6.7427, 6.9272,
11.5815

343.5358,

■ 3.3466, 3.4166,

359.1309, 441.3987

6.3403

404.7415,
423.2593, 516.9321

■ 1.3396, 1.3529,
2.9810

■ 0.2126, 0.1816,
1.0849

■ 76.7501, 79.9014,
105.9851

■ 76.7501, 79.9014,
105.9851

■ 64.6050, 66.3417,
104.0079

■ 90.6304, 95.1762,
108.2018

■ 54.1190, 54.4259,
102.2606

95.0500, 100.0000,
108.9000

■ 45.2192, 44.0923,
100.7351

■ 37.8249, 35.2710,
99.4221

■ 31.8481, 27.8869,
98.3119

■ 27.1906, 21.8578,
97.3936

■ 23.7411, 17.0918,
96.6555

■ 21.3670, 13.4836,
96.0842

■ 20.2135, 11.5470,
95.7712

Harmonies

Analogous

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



73.5658, 79.9014, 104.5907



76.7501, 79.9014, 105.9851



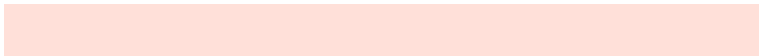
79.8023, 79.9014, 102.0109

Triad

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



76.7501, 79.9014, 105.9851



81.0191, 79.9014, 76.5771



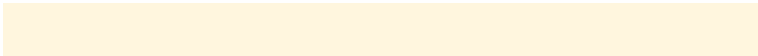
70.3192, 79.9014, 80.2959

Complementary

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



76.7501, 79.9014, 105.9851



87.3800, 92.4439, 82.3469

Split Complementary

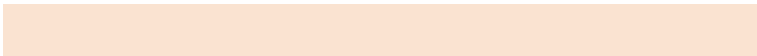
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2119, 79.9014, 73.5373



76.7501, 79.9014, 105.9851



78.3727, 79.9014, 71.4995

Square

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



76.7501, 79.9014, 105.9851



82.3123, 79.9014, 84.7184



75.1433, 79.9014, 70.4276



69.9127, 79.9014, 89.3202

Rectangle

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



76.7501, 79.9014, 105.9851



81.3310, 79.9014, 97.0079



75.1433, 79.9014, 70.4276



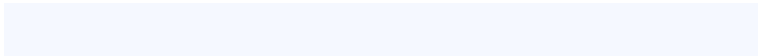
70.8000, 79.9014, 77.7035

Sweetspot

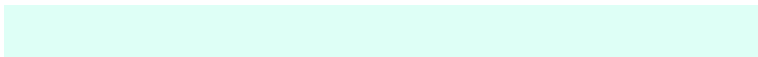
The Sweet Spot groups the original color and five complimentary colors.



76.7522, 79.9046, 105.9856



89.0757, 93.4751, 107.9554



82.4659, 93.6823, 100.6440



18.8323, 19.7516, 23.0698



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.



76.7522, 79.9046, 105.9856



72.8549, 75.5761, 105.3555



76.5334, 76.1468, 105.2718



17.4062, 18.1841, 22.8424



10.6675, 6.2446, 50.0777



1.1249, 0.7805, 4.9046

Inverse Universe

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



81.7864, 79.2736, 86.5958



78.9731, 74.9088, 81.7680



87.6035, 96.7232, 83.1611



18.2129, 18.0685, 19.7385



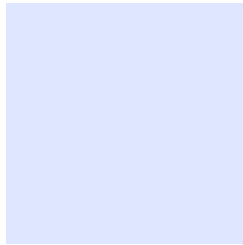
22.1727, 11.3584, 4.2937



2.2024, 1.1233, 0.6473

Previews

White Background



This preview shows how the XYZ color 76.7501, 79.9014, 105.9851 looks on a white background.

Color Contrast Check

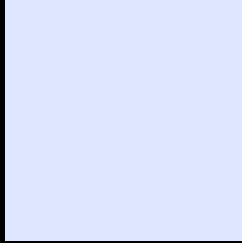
Large Text (above 18pt) WCAG AA × Fail

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 76.7501, 79.9014, 105.9851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

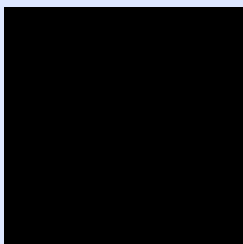
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7501, 79.9014, 105.9851

Background



This preview shows how black text looks on a background with the XYZ color 76.7501, 79.9014, 105.9851.



This preview shows how white text looks on a background with the XYZ color 76.7501, 79.9014,

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

76.7501, 79.9014, 105.9851

Protanopia

77.9036, 79.6884, 105.0414

Deuteranopia

81.2508, 79.7712, 105.7227



Tritanopia

75.9307, 79.9875, 101.8796

Trichromacy



Original Color

76.7501, 79.9014, 105.9851

Protanomaly

77.5502, 79.9181, 105.1043

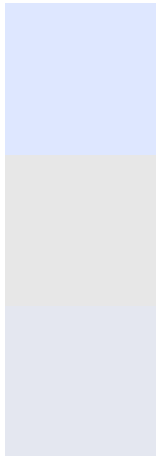
Deuteranomaly

79.4508, 79.6506, 105.7943

Tritanomaly

76.2461, 80.1137, 103.5403

Monochromacy



Original Color

76.7501, 79.9014, 105.9851

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.2990, 79.9371, 93.8461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7501, 79.9014, 105.9851 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.7501, 79.9014, 105.9851 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, 231, 255) }
```


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

```
.border{ border-color:rgb(222, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7501, 79.9014, 105.9851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 231, 255) }
```

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

```
.background{ background-color: rgb(222,  
231, 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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