

Converting Colors

XYZ(85.0474, 83.6894,
150.4271)

Have a look what the booklet for
XYZ(85.0474, 83.6894, 150.4271)
contains.

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Color

**XYZ(76.7254, 80.3054,
106.0644)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE8FF
RGB	221, 232, 255
RGB Percent	87%, 91%, 100%
CMY	0.1333, 0.0902, 0.0000
CMYK	0.13, 0.09, 0.00, 0.00
HSL	221°, 100%, 93%
HSV	221°, 13%, 100%
XYZ	76.7254, 80.3054, 106.0644
YIQ	231.3330, -13.9390, 4.8210

Conversions

Conversions Part 2

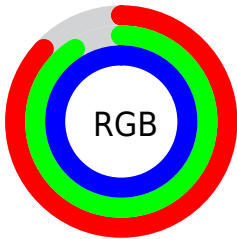
Format	Color
R _Y B	221, 229, 255
Decimal	14543103
CIE Lab	91.82, 0.81, -12.36
CIE LCh	92, 12.386, 273.728
Yxy	80.3054, 0.2916, 0.3052
Android (android.graphics.Color)	4292733183 (0xFFDDE8FF)
YUV	231.3330, 11.6678, -9.0620
Hunter-Lab	89.6133, -3.9945, -7.4451

Details

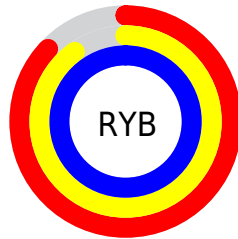
The XYZ color **76.7254, 80.3054, 106.0644** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6412, 91.1802, 81.4412**, and the grayscale version is **76.1287, 80.0933, 87.2216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4443, 43.2349, 59.5869** is the 20% darker color. If you saturate the color by 10%, you get **64.9245, 67.3668, 104.1889**, and if you desaturate by 10%, it is **90.1862, 94.8113, 108.1548**.

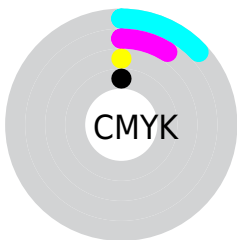
Distribution



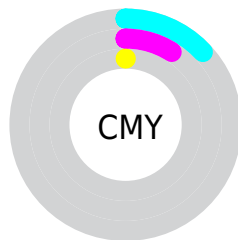
- Red (87%)
- Green (91%)
- Blue (100%)



- 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 76.7254, 80.3054, 106.0644 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 76.7254, 80.3054, 106.0644 by changing the saturation by 10% instead.

■ 76.7254, 80.3054,
106.0644

■ 76.7254, 80.3054,
106.0644

472.7336,
495.9615, 600.8776

■ 57.3267, 59.9697,
80.7297

127.7267,
133.7950, 171.5907

■ 41.5087, 43.3942,
59.7893

160.0599,
167.7177, 212.6194

■ 28.9062, 30.1945,
42.8247

197.4354,
206.9382, 259.7165

■ 19.1538, 19.9863,
29.4172

240.2185,
251.8409, 313.3006

■ 11.8861, 12.3851,
19.1484

288.7745,
302.8102, 373.7903

■ 6.7378, 7.0065,
11.5996

343.4687,

■ 3.3436, 3.4662,

360.2305, 441.6039

6.3525

404.6667,
424.4861, 517.1602

■ 1.3379, 1.3797,
2.9883

■ 0.2113, 0.2017,
1.0887

■ 76.7254, 80.3054,
106.0644

■ 76.7254, 80.3054,
106.0644

■ 64.9245, 67.3668,
104.1889

■ 90.1862, 94.8113,
108.1548

■ 54.7105, 55.9311,
102.5200

95.0500, 100.0000,
108.9000

■ 46.0140, 45.9436,
101.0505

■ 38.7581, 37.3422,
99.7727

■ 32.8585, 30.0601,
98.6781

■ 28.2214, 24.0238,
97.7574

■ 24.7399, 19.1518,
97.0005

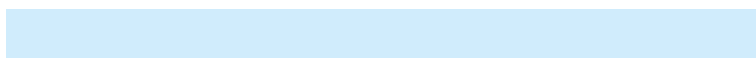
■ 22.2863, 15.3494,
96.3959

■ 21.1072, 13.3345,
96.0691

Harmonies

Analogous

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



73.6585, 80.3054, 104.0658



76.7254, 80.3054, 106.0644



79.7668, 80.3054, 102.7947

Triad

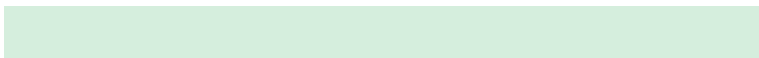
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7254, 80.3054, 106.0644



81.5166, 80.3054, 78.0891



70.9854, 80.3054, 79.9289

Complementary

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



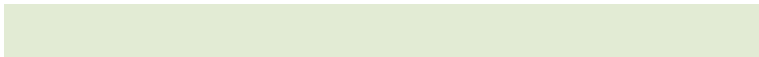
76.7254, 80.3054, 106.0644



86.6412, 91.1802, 81.4412

Split Complementary

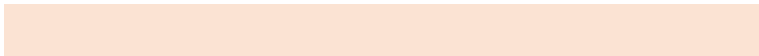
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9893, 80.3054, 73.6940



76.7254, 80.3054, 106.0644



79.0610, 80.3054, 72.6846

Square

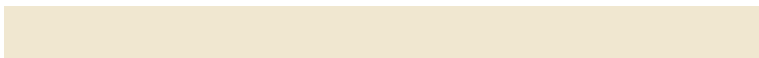
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7254, 80.3054, 106.0644



82.5809, 80.3054, 86.3073



75.9317, 80.3054, 71.1325



70.3988, 80.3054, 88.5804

Rectangle

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



76.7254, 80.3054, 106.0644



81.3544, 80.3054, 98.1916



75.9317, 80.3054, 71.1325



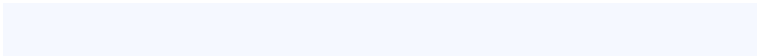
71.5128, 80.3054, 77.5014

Sweetspot

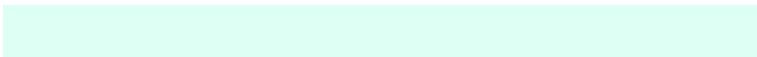
The Sweet Spot groups the original color and five complimentary colors.



76.7275, 80.3086, 106.0649



89.2349, 93.7935, 108.0085



81.8581, 93.4040, 99.0378



18.8725, 19.8320, 23.0832



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.



76.7275, 80.3086, 106.0649



73.4198, 76.7059, 105.5438



75.4811, 75.2111, 105.1467



17.4830, 18.3375, 22.8680



11.1485, 7.2065, 50.2380



1.1798, 0.8902, 4.9229

Inverse Universe

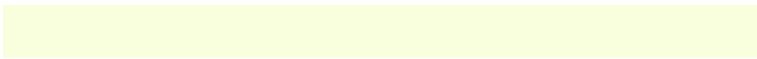
The Inverse Universe completely reimagines the original color for something new.



81.6633, 78.8006, 87.2537



79.2582, 75.0228, 83.2695



87.9974, 96.9417, 82.4818



18.2517, 18.0840, 19.9425



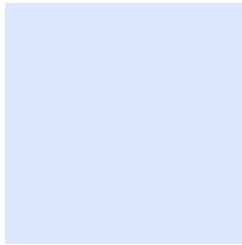
22.4154, 11.4555, 5.5721



2.2301, 1.1344, 0.7931

Previews

White Background



This preview shows how the XYZ color 76.7254, 80.3054, 106.0644 looks on a white background.

Color Contrast Check

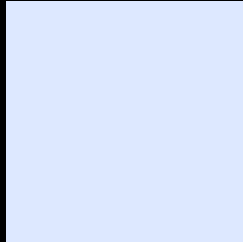
Large Text (above 18pt) WCAG AA × Fail

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 76.7254, 80.3054, 106.0644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

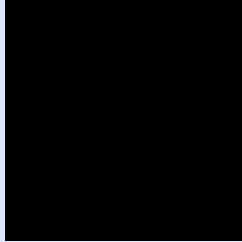
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.7254, 80.3054, 106.0644

Background



This preview shows how black text looks on a background with the XYZ color 76.7254, 80.3054, 106.0644.

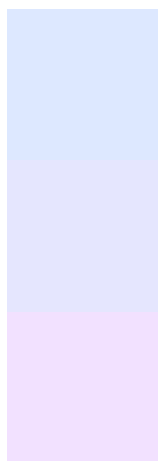


This preview shows how white text looks on a background with the XYZ color 76.7254, 80.3054,

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

76.7254, 80.3054, 106.0644

Protanopia

78.4993, 80.4074, 105.1488

Deuteranopia

81.5932, 79.9477, 105.7388



Tritanopia

76.0667, 80.4585, 102.7877

Trichromacy



Original Color

76.7254, 80.3054, 106.0644

Protanomaly

77.8293, 80.4763, 105.1974

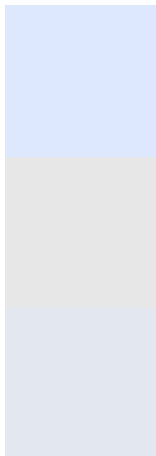
Deuteranomaly

79.7251, 80.1992, 105.8858

Tritanomaly

76.2248, 80.5217, 103.6202

Monochromacy



Original Color

76.7254, 80.3054, 106.0644

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.9826, 79.7740, 93.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7254, 80.3054, 106.0644 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(221, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 232, 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(221, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.7254, 80.3054, 106.0644 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(221, 232, 255) }
```


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

```
.border{ border-color:rgb(221, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7254, 80.3054, 106.0644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 232, 255) }
```

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

```
.background{ background-color: rgb(221,  
232, 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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