

Converting Colors

XYZ(76.4229, 83.8097,
106.7567)

Have a look what the booklet for
XYZ(76.4229, 83.8097, 106.7567)
contains.

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Color

**XYZ(76.6567, 84.1276,
106.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F1FF
RGB	212, 241, 255
RGB Percent	83%, 95%, 100%
CMY	0.1686, 0.0549, 0.0000
CMYK	0.17, 0.05, 0.00, 0.00
HSL	200°, 100%, 92%
HSV	200°, 17%, 100%
XYZ	76.6567, 84.1276, 106.8058
YIQ	233.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

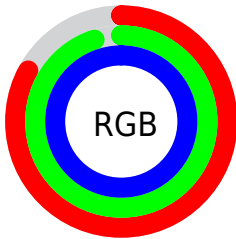
Format	Color
R _Y B	212, 229, 255
Decimal	13955583
CIE Lab	93.51, -6.59, -9.92
CIE LCh	94, 11.908, 236.383
Yxy	84.1276, 0.2865, 0.3144
Android (android.graphics.Color)	4292145663 (0xFFD4F1FF)
YUV	233.9250, 10.3900, -19.2282
Hunter-Lab	91.7211, -11.3290, -4.8362

Details

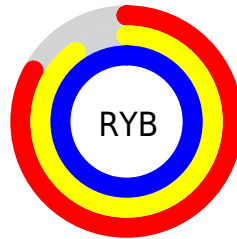
The XYZ color **76.6567, 84.1276, 106.8058** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.3198, 80.4051, 73.5756**, and the grayscale version is **78.0876, 82.1542, 89.4659**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4466, 45.9432, 60.1095** is the 20% darker color. If you saturate the color by 10%, you get **67.4775, 75.8331, 105.6886**, and if you desaturate by 10%, it is **87.1131, 93.2512, 108.0157**.

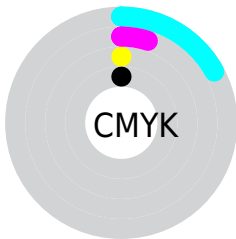
Distribution



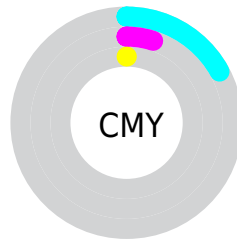
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6567, 84.1276, 106.8058 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 76.6567, 84.1276, 106.8058 by changing the saturation by 10% instead.

76.6567, 84.1276,
106.8058

76.6567, 84.1276,
106.8058

472.5026,
508.7369, 603.2313

57.2701, 63.1208,
81.3479

127.6302,
139.1537, 172.6121

41.4631, 45.9389,
60.2955

159.9478,
173.9417, 213.7975

28.8704, 32.1976,
43.2300

197.3064,
214.0923, 261.0626

19.1266, 21.5125,
29.7329

240.0714,
259.9898, 314.8259

11.8663, 13.4991,
19.3856

288.6082,
312.0186, 375.5058

6.7243, 7.7731,
11.7696

343.2821,

3.3351, 3.9501,

370.5631, 443.5210

6.4664

404.4585,
436.0077, 519.2900

■ 1.3333, 1.6457,
3.0573

■ 0.2080, 0.3881,
1.1240

■ 76.6567, 84.1276,
106.8058

■ 76.6567, 84.1276,
106.8058

■ 67.4775, 75.8331,
105.6886

■ 87.1131, 93.2512,
108.0157

■ 59.5131, 68.3267,
104.6594

95.0500, 100.0000,
108.9000

■ 52.7056, 61.5783,
103.7157

■ 46.9892, 55.5520,
102.8538

■ 42.2912, 50.2079,
102.0698

■ 38.5294, 45.5011,
101.3596

■ 35.6074, 41.3797,
100.7181

■ 33.4035, 37.7782,
100.1391

■ 32.8027, 36.7253,
99.9676

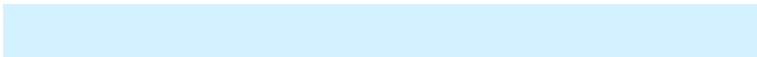
Harmonies

Analogous

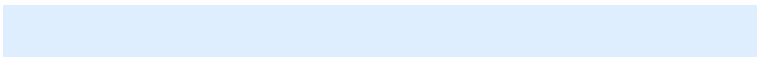
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6607, 84.1276, 99.5205



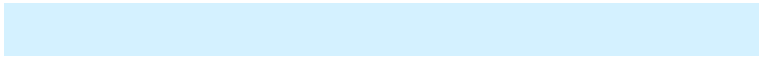
76.6567, 84.1276, 106.8058



79.5795, 84.1276, 110.0104

Triad

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



76.6567, 84.1276, 106.8058



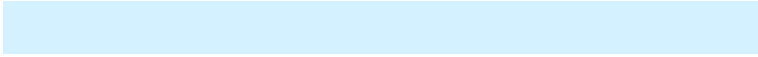
86.1541, 84.1276, 92.6985



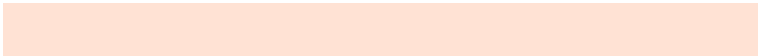
77.3015, 84.1276, 76.9342

Complementary

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



76.6567, 84.1276, 106.8058



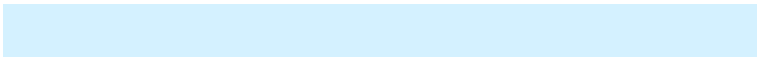
80.3198, 80.4051, 73.5756

Split Complementary

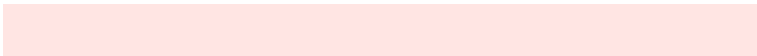
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3432, 84.1276, 75.3687



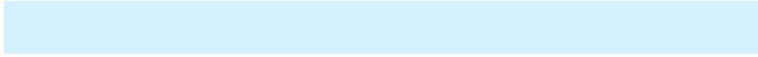
76.6567, 84.1276, 106.8058



85.5059, 84.1276, 84.1125

Square

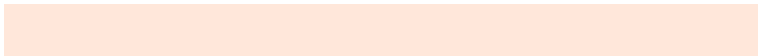
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



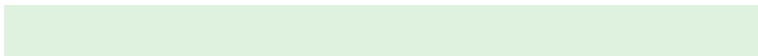
76.6567, 84.1276, 106.8058



85.1072, 84.1276, 101.5356



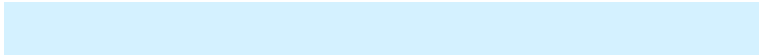
83.3584, 84.1276, 77.9118



75.0261, 84.1276, 82.3359

Rectangle

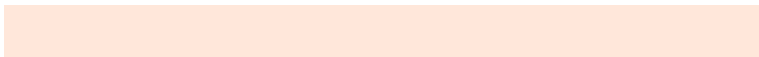
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6567, 84.1276, 106.8058



81.6799, 84.1276, 109.2560



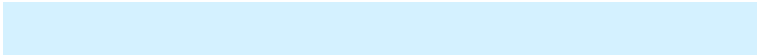
83.3584, 84.1276, 77.9118



78.2659, 84.1276, 75.9578

Sweetspot

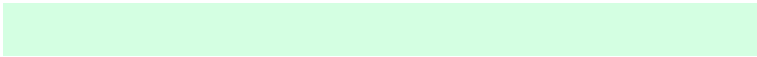
The Sweet Spot groups the original color and five complimentary colors.



76.6589, 84.1310, 106.8063



89.2042, 95.0422, 108.2512



76.5873, 90.9875, 85.2031



18.9233, 20.1975, 23.1511



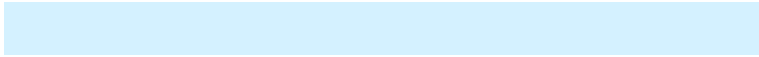
0.0000, 0.0000, 0.0000



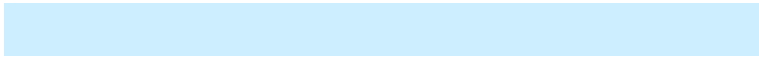
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6589, 84.1310, 106.8063



73.6430, 81.4397, 106.4458



70.7653, 72.3438, 104.8418



18.0273, 19.4262, 23.0494



17.2818, 19.4733, 52.2824



1.7822, 2.0951, 5.1237

Inverse Universe

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



80.6621, 74.6995, 93.3900



78.3244, 70.6423, 90.7047



86.4206, 92.6068, 75.6092



18.5264, 18.1939, 21.3893



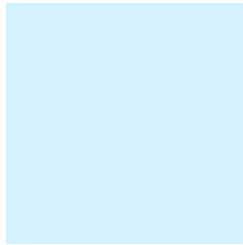
25.5113, 12.6938, 21.8746



2.5342, 1.2560, 2.3944

Previews

White Background



This preview shows how the XYZ color 76.6567, 84.1276, 106.8058 looks on a white background.

Color Contrast Check

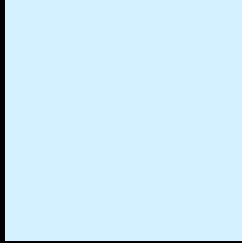
Large Text (above 18pt) WCAG AA × Fail

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 76.6567, 84.1276, 106.8058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

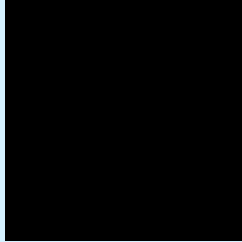
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

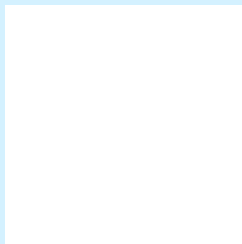
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6567, 84.1276, 106.8058

Background



This preview shows how black text looks on a background with the XYZ color 76.6567, 84.1276, 106.8058.



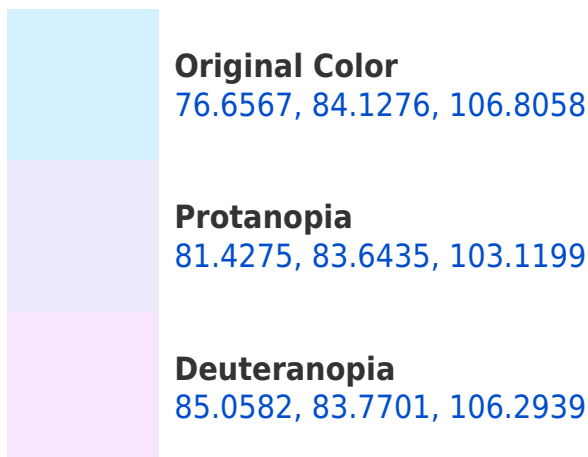
This preview shows how white text looks on a background with the XYZ color 76.6567, 84.1276,

106.8058.

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





Tritanopia

77.8299, 83.8584, 106.6920

Trichromacy



Original Color

76.6567, 84.1276, 106.8058

Protanomaly

79.5334, 83.9275, 104.1032

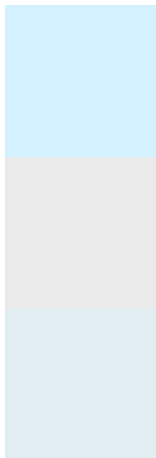
Deuteranomaly

81.7338, 83.7278, 106.4610

Tritanomaly

77.5290, 84.1391, 106.7620

Monochromacy



Original Color

76.6567, 84.1276, 106.8058

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.6752, 83.1479, 95.9596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6567, 84.1276, 106.8058 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(212, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 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(212, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.6567, 84.1276, 106.8058 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(212, 241, 255) }
```


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

```
.border{ border-color:rgb(212, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6567, 84.1276, 106.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 255) }
```

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

```
.background{ background-color: rgb(212,  
241, 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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