

Converting Colors

XYZ(76.9673, 83.8010,
106.7263)

Have a look what the booklet for
XYZ(76.9673, 83.8010, 106.7263)
contains.

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Color

**XYZ(76.9416, 83.8363,
106.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F0FF
RGB	214, 240, 255
RGB Percent	84%, 94%, 100%
CMY	0.1608, 0.0588, 0.0000
CMYK	0.16, 0.06, 0.00, 0.00
HSL	202°, 100%, 92%
HSV	202°, 16%, 100%
XYZ	76.9416, 83.8363, 106.7345
YIQ	233.9360, -20.3110, -0.8470

Conversions

Conversions Part 2

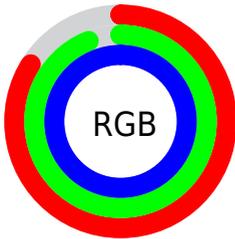
Format	Color
R _Y B	214, 230, 255
Decimal	14086399
CIE Lab	93.38, -5.47, -10.09
CIE LCh	93, 11.479, 241.531
Yxy	83.8363, 0.2876, 0.3134
Android (android.graphics.Color)	4292276479 (0xFFD6F0FF)
YUV	233.9360, 10.3846, -17.4839
Hunter-Lab	91.5622, -10.2365, -5.0212

Details

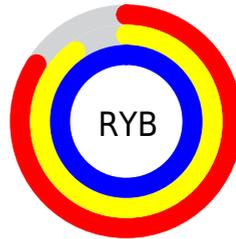
The XYZ color **76.9416, 83.8363, 106.7345** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.3964, 82.1523, 75.1868**, and the grayscale version is **78.0951, 82.1621, 89.4746**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6316, 45.7291, 60.0585** is the 20% darker color. If you saturate the color by 10%, you get **67.3990, 74.9473, 105.5217**, and if you desaturate by 10%, it is **87.7948, 93.6149, 108.0499**.

Distribution



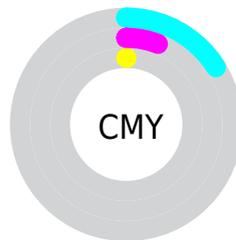
- Red (84%)
- Green (94%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9416, 83.8363, 106.7345 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 76.9416, 83.8363, 106.7345 by changing the saturation by 10% instead.

■ 76.9416, 83.8363,
106.7345

■ 76.9416, 83.8363,
106.7345

473.4599,
507.7695, 603.0051

■ 57.5047, 62.8803,
81.2885

128.0303,
138.7462, 172.5139

■ 41.6523, 45.7444,
60.2468

160.4129,
173.4688, 213.6843

■ 29.0191, 32.0441,
43.1910

197.8413,
213.5491, 260.9333

■ 19.2396, 21.3952,
29.7025

240.6810,
259.3715, 314.6793

■ 11.9486, 13.4132,
19.3628

289.2974,
311.3203, 375.3410

■ 6.7806, 7.7137,
11.7532

344.0558,

■ 3.3704, 3.9123,

369.7800, 443.3368

6.4554

405.3215,
435.1349, 519.0854

■ 1.3525, 1.6246,
3.0507

■ 0.2220, 0.3741,
1.1206

■ 76.9416, 83.8363,
106.7345

■ 76.9416, 83.8363,
106.7345

■ 67.3990, 74.9473,
105.5217

■ 87.7948, 93.6149,
108.0499

■ 59.1042, 66.9057,
104.4067

95.0500, 100.0000,
108.9000

■ 51.9989, 59.6805,
103.3866

■ 46.0172, 53.2345,
102.4577

■ 41.0865, 47.5269,
101.6159

■ 37.1245, 42.5120,
100.8567

■ 34.0356, 38.1367,
100.1750

■ 31.7012, 34.3364,
99.5645

■ 30.9235, 32.9669,
99.3412

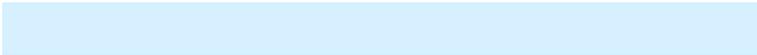
Harmonies

Analogous

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



74.8253, 83.8363, 100.2810



76.9416, 83.8363, 106.7345



79.8395, 83.8363, 108.9805

Triad

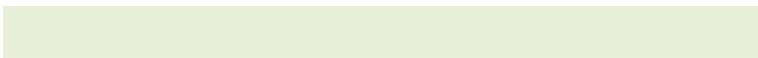
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9416, 83.8363, 106.7345



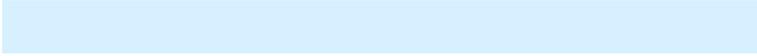
85.6448, 83.8363, 90.8388



76.6787, 83.8363, 77.8003

Complementary

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



76.9416, 83.8363, 106.7345



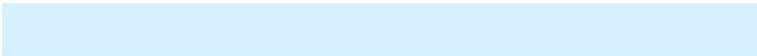
81.3964, 82.1523, 75.1868

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.



79.5285, 83.8363, 75.6141



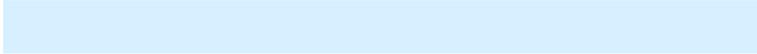
76.9416, 83.8363, 106.7345



84.7484, 83.8363, 82.8409

Square

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



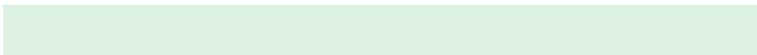
76.9416, 83.8363, 106.7345



84.9106, 83.8363, 99.4618



82.4906, 83.8363, 77.4005



74.6762, 83.8363, 83.5662

Rectangle

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



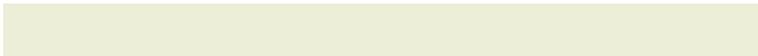
76.9416, 83.8363, 106.7345



81.8391, 83.8363, 107.6834



82.4906, 83.8363, 77.4005



77.5669, 83.8363, 76.6394

Sweetspot

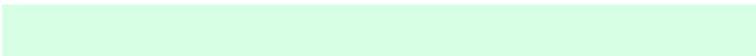
The Sweet Spot groups the original color and five complimentary colors.



76.9438, 83.8397, 106.7350



89.0441, 94.7222, 108.1978



77.5447, 91.4375, 87.2171



18.8843, 20.1196, 23.1381



0.0000, 0.0000, 0.0000



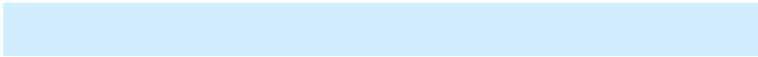
20.3446, 21.4041, 23.3091

Same Dimension

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



76.9438, 83.8397, 106.7350



74.0217, 81.1510, 106.3701



71.4153, 72.7827, 104.8922



17.9636, 19.2987, 23.0282



16.3054, 17.5204, 51.9570



1.6918, 1.9143, 5.0936

Inverse Universe

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



81.0161, 75.6459, 92.7731



78.7709, 71.7987, 90.0418



87.2073, 93.7740, 77.1238



18.4943, 18.1810, 21.2199



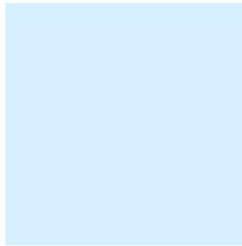
25.0184, 12.4967, 19.2793



2.4885, 1.2378, 2.1541

Previews

White Background



This preview shows how the XYZ color 76.9416, 83.8363, 106.7345 looks on a white background.

Color Contrast Check

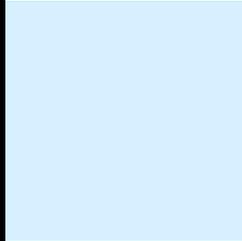
Large Text (above 18pt) WCAG AA × Fail

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 76.9416, 83.8363, 106.7345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

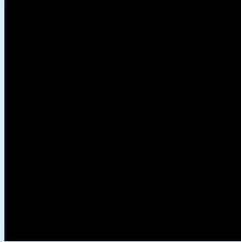
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

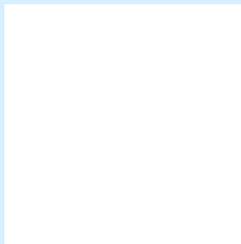
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9416, 83.8363, 106.7345

Background



This preview shows how black text looks on a background with the XYZ color 76.9416, 83.8363, 106.7345.



This preview shows how white text looks on a background with the XYZ color 76.9416, 83.8363,

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

76.9416, 83.8363, 106.7345

Protanopia

81.0964, 83.4728, 103.1044

Deuteranopia

84.7046, 83.5878, 106.2774



Tritanopia

77.8299, 83.8584, 106.6920

Trichromacy



Original Color

76.9416, 83.8363, 106.7345

Protanomaly

79.2447, 83.3501, 104.0070

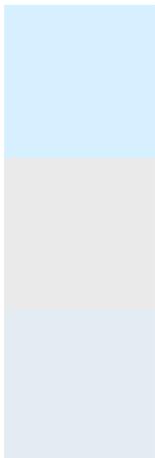
Deuteranomaly

81.7338, 83.7278, 106.4610

Tritanomaly

77.5318, 83.7047, 106.6780

Monochromacy



Original Color

76.9416, 83.8363, 106.7345

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7010, 82.7326, 95.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9416, 83.8363, 106.7345 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(214, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 240, 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(214, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9416, 83.8363, 106.7345 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(214, 240, 255) }
```


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

```
.border{ border-color:rgb(214, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9416, 83.8363, 106.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 240, 255) }
```

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

```
.background{ background-color: rgb(214,  
240, 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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