

# Converting Colors

XYZ(83.0511, 84.2175,  
137.5580)

Have a look what the booklet for  
XYZ(83.0511, 84.2175, 137.5580)  
contains.

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# Color

**XYZ(76.9717, 81.6967,  
106.3199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEBFF
RGB	219, 235, 255
RGB Percent	86%, 92%, 100%
CMY	0.1412, 0.0784, 0.0000
CMYK	0.14, 0.08, 0.00, 0.00
HSL	213°, 100%, 93%
HSV	213°, 14%, 100%
XYZ	76.9717, 81.6967, 106.3199
YIQ	232.4960, -15.9560, 2.8280

# Conversions

## Conversions Part 2

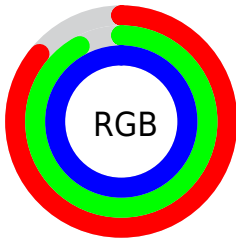
Format	Color
R <sub>Y</sub> B	219, 230, 255
Decimal	14412799
CIE Lab	92.44, -1.37, -11.45
CIE LCh	92, 11.532, 263.200
Yxy	81.6967, 0.2905, 0.3083
Android (android.graphics.Color)	4292602879 (0xFFDBEBFF)
YUV	232.4960, 11.0945, -11.8360
Hunter-Lab	90.3862, -6.1677, -6.4715

# Details

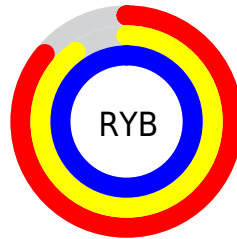
The XYZ color **76.9717, 81.6967, 106.3199** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8921, 88.1059, 79.5512**, and the grayscale version is **77.0032, 81.0134, 88.2236**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6230, 44.2099, 59.7657** is the 20% darker color. If you saturate the color by 10%, you get **65.9851, 70.2526, 104.6901**, and if you desaturate by 10%, it is **89.4607, 94.3990, 108.1135**.

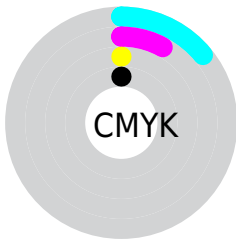
# Distribution



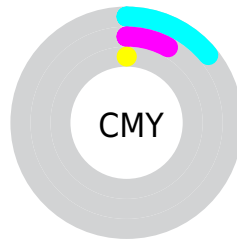
- Red (86%)
- Green (92%)
- Blue (100%)



- Red (86%)
- Yellow (90%)
- Blue (100%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9717, 81.6967, 106.3199 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 76.9717, 81.6967, 106.3199 by changing the saturation by 10% instead.



■ 76.9717, 81.6967,  
106.3199

■ 76.9717, 81.6967,  
106.3199

473.5610,  
500.6326, 601.6892

■ 57.5295, 61.1156,  
80.9427

128.0726,  
135.7486, 171.9428

■ 41.6723, 44.3184,  
59.9637

160.4620,  
169.9881, 213.0255

■ 29.0348, 30.9209,  
42.9643

197.8978,  
209.5493, 260.1806

■ 19.2515, 20.5386,  
29.5259

240.7454,  
254.8164, 313.8265

■ 11.9573, 12.7872,  
19.2300

289.3702,  
306.1739, 374.3818

■ 6.7866, 7.2822,  
11.6581

344.1375,

■ 3.3741, 3.6392,

364.0062, 442.2650

6.3916

405.4126,  
428.6976, 517.8946

■ 1.3546, 1.4738,  
3.0120

■ 0.2235, 0.2702,  
1.1008

■ 76.9717, 81.6967,  
106.3199

■ 76.9717, 81.6967,  
106.3199

■ 65.9851, 70.2526,  
104.6901

■ 89.4607, 94.3990,  
108.1135

■ 56.4336, 60.0145,  
103.2173

95.0500, 100.0000,  
108.9000

■ 48.2542, 50.9404,  
101.8969

■ 41.3764, 42.9820,  
100.7233

■ 35.7227, 36.0871,  
99.6905

■ 31.2067, 30.1979,  
98.7917

■ 27.7288, 25.2494,  
98.0199

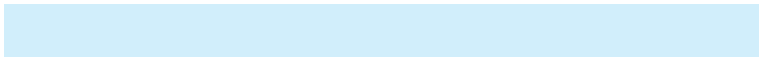
■ 25.1690, 21.1655,  
97.3665

■ 23.9954, 19.1109,  
97.0318

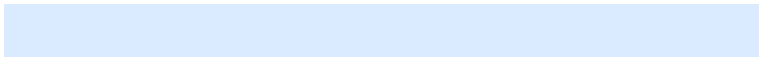
# Harmonies

## Analogous

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



74.2580, 81.6967, 102.7958



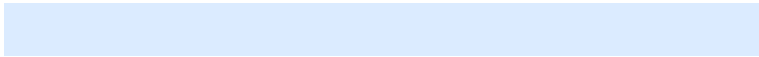
76.9717, 81.6967, 106.3199



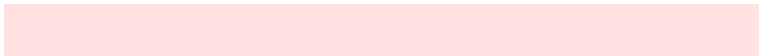
79.9365, 81.6967, 104.9571

# Triad

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



76.9717, 81.6967, 106.3199



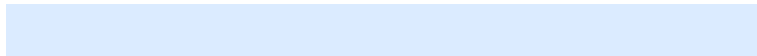
83.0537, 81.6967, 82.6257



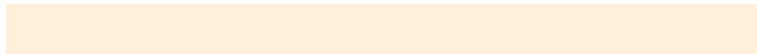
73.1384, 81.6967, 79.4534

# Complementary

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



76.9717, 81.6967, 106.3199



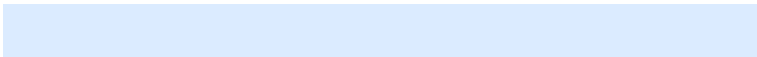
84.8921, 88.1059, 79.5512

# Split Complementary

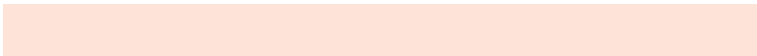
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4080, 81.6967, 74.6660



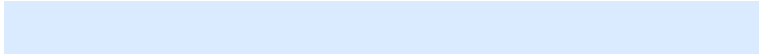
76.9717, 81.6967, 106.3199



81.1443, 81.6967, 76.4138

# Square

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



76.9717, 81.6967, 106.3199



83.4983, 81.6967, 90.9171



78.3328, 81.6967, 73.5899

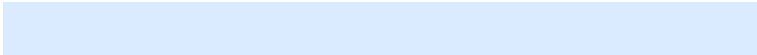


72.0819, 81.6967, 87.0190



# Rectangle

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



76.9717, 81.6967, 106.3199



81.6515, 81.6967, 101.5006



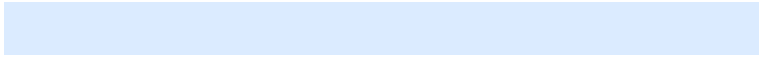
78.3328, 81.6967, 73.5899



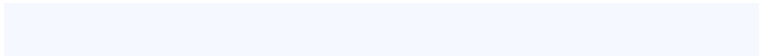
73.7819, 81.6967, 77.4861

# Sweetspot

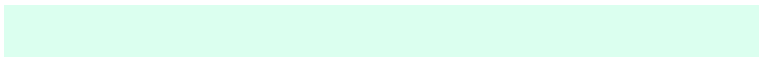
The Sweet Spot groups the original color and five complimentary colors.



76.9739, 81.7000, 106.3205



89.6156, 94.5548, 108.1354



80.5247, 92.8007, 95.1755



18.9686, 20.0244, 23.1153



0.0000, 0.0000, 0.0000

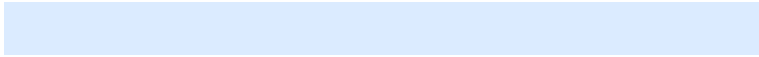


20.3446, 21.4041, 23.3091

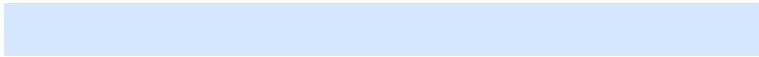


# Same Dimension

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



76.9739, 81.7000, 106.3205



73.6545, 78.2729, 105.8339



73.1407, 73.2253, 104.8867



17.6677, 18.7070, 22.9296



12.6816, 10.2728, 50.7490



1.3417, 1.2141, 4.9769



# Inverse Universe

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



81.5682, 77.9227, 89.3426



79.1088, 73.9372, 85.6449



89.1274, 97.5548, 81.1518



18.3449, 18.1213, 20.4335



23.1893, 11.7650, 9.6472

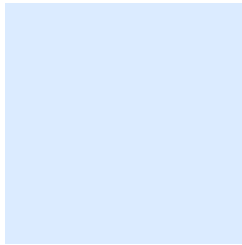


2.3118, 1.1671, 1.2235



# Previews

## White Background



This preview shows how the XYZ color 76.9717, 81.6967, 106.3199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

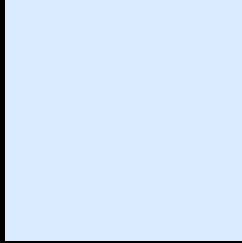
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9717, 81.6967, 106.3199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

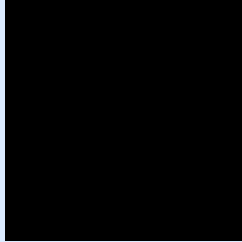
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

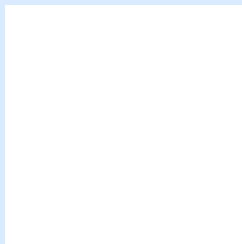
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.9717, 81.6967, 106.3199

## Background



This preview shows how black text looks on a background with the XYZ color 76.9717, 81.6967, 106.3199.



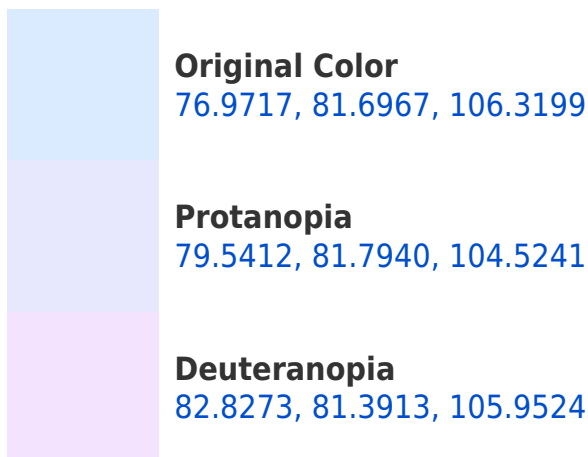
This preview shows how white text looks on a background with the XYZ color 76.9717, 81.6967,



# 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

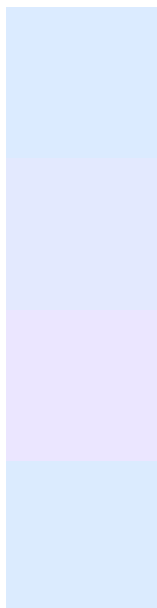




## Tritanopia

76.8111, 81.6325, 105.4742

# Trichromacy



## Original Color

76.9717, 81.6967, 106.3199

## Protanomaly

78.7069, 81.7645, 105.3998

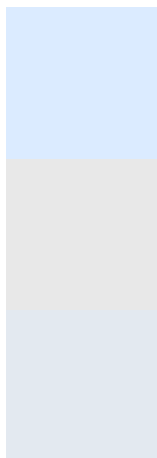
## Deuteranomaly

80.6078, 81.4758, 106.0857

## Tritanomaly

76.8111, 81.6325, 105.4742

# Monochromacy



## Original Color

76.9717, 81.6967, 106.3199

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.5456, 80.9000, 94.0189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9717, 81.6967, 106.3199 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(219, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 235, 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(219, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9717, 81.6967, 106.3199 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(219, 235, 255) }
```



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

```
.border{ border-color:rgb(219, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9717, 81.6967, 106.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 235, 255) }
```

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

```
.background{ background-color: rgb(219,  
235, 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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