

# Converting Colors

XYZ(78.1241, 81.7683,  
106.2730)

Have a look what the booklet for  
XYZ(78.1241, 81.7683, 106.2730)  
contains.

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# Color

**XYZ(78.2133, 81.9129,  
106.2962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EAFF
RGB	224, 234, 255
RGB Percent	88%, 92%, 100%
CMY	0.1216, 0.0823, 0.0000
CMYK	0.12, 0.08, 0.00, 0.00
HSL	221°, 100%, 94%
HSV	221°, 12%, 100%
XYZ	78.2133, 81.9129, 106.2962
YIQ	233.4040, -12.7010, 4.4110

# Conversions

## Conversions Part 2

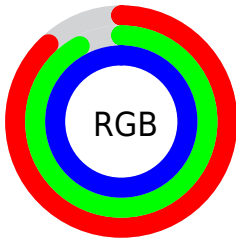
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 232, 255
Decimal	14740223
CIELab	92.54, 0.72, -11.27
CIELCh	93, 11.294, 273.630
Yxy	81.9129, 0.2936, 0.3075
Android (android.graphics.Color)	4292930303 (0xFFE0E AFF)
YUV	233.4040, 10.6468, -8.2473
Hunter-Lab	90.5057, -4.1288, -6.2802

# Details

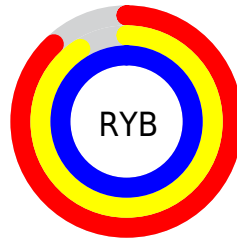
The XYZ color **78.2133, 81.9129, 106.2962** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.3465, 91.9451, 83.6662**, and the grayscale version is **77.6875, 81.7333, 89.0075**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4756, 44.3530, 59.7484** is the 20% darker color. If you saturate the color by 10%, you get **66.2156, 68.7827, 104.3942**, and if you desaturate by 10%, it is **91.8799, 96.6194, 108.4146**.

# Distribution



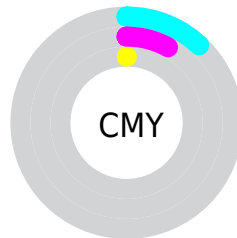
- Red (88%)
- Green (92%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- Blue (100%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2133, 81.9129, 106.2962 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 78.2133, 81.9129, 106.2962 by changing the saturation by 10% instead.



■ 78.2133, 81.9129,  
106.2962

■ 78.2133, 81.9129,  
106.2962

477.7197,  
501.3563, 601.6140

■ 58.5526, 61.2937,  
80.9230

129.8145,  
136.0519, 171.9101

■ 42.4981, 44.4623,  
59.9475

162.4858,  
170.3404, 212.9879

■ 29.6843, 31.0341,  
42.9513

200.2246,  
209.9543, 260.1376

■ 19.7460, 20.6248,  
29.5158

243.3964,  
255.2778, 313.7777

■ 12.3177, 12.8500,  
19.2224

292.3664,  
306.6954, 374.3269

■ 7.0342, 7.3254,  
11.6527

347.5000,

■ 3.5300, 3.6664,

364.5914, 442.2037

6.3880

409.1627,  
429.3502, 517.8265

■ 1.4398, 1.4888,  
3.0098

■ 0.2843, 0.2808,  
1.0997

■ 78.2133, 81.9129,  
106.2962

■ 78.2133, 81.9129,  
106.2962

■ 66.2156, 68.7827,  
104.3942

■ 91.8799, 96.6194,  
108.4146

■ 55.8141, 57.1645,  
102.6999

95.0500, 100.0000,  
108.9000

■ 46.9400, 47.0038,  
101.2064

■ 39.5171, 38.2391,  
99.9059

■ 33.4618, 30.8038,  
98.7899

■ 28.6816, 24.6255,  
97.8492

■ 25.0714, 19.6232,  
97.0740

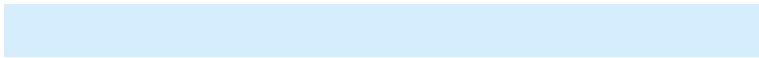
■ 22.5063, 15.7043,  
96.4528

■ 21.0890, 13.2979,  
96.0630

# Harmonies

## Analogous

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



75.3779, 81.9129, 104.4544



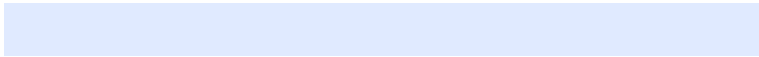
78.2133, 81.9129, 106.2962



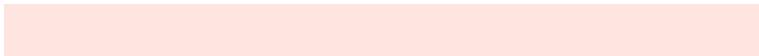
81.0206, 81.9129, 103.3225

# Triad

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



78.2133, 81.9129, 106.2962



82.6458, 81.9129, 80.5411



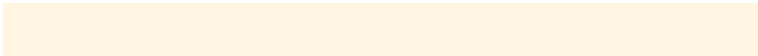
72.9122, 81.9129, 82.2069

# Complementary

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



78.2133, 81.9129, 106.2962



87.3465, 91.9451, 83.6662

# Split Complementary

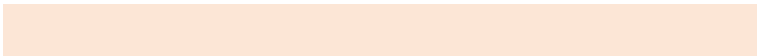
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7744, 81.9129, 76.4074



78.2133, 81.9129, 106.2962



80.3873, 81.9129, 75.4888

# Square

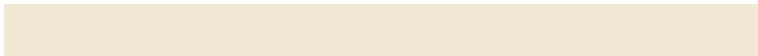
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2133, 81.9129, 106.2962



83.6199, 81.9129, 88.1707



77.4993, 81.9129, 74.0238

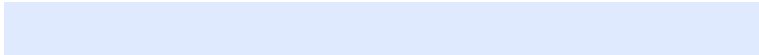


72.3628, 81.9129, 90.2156



# Rectangle

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



78.2133, 81.9129, 106.2962



82.4850, 81.9129, 99.1125



77.4993, 81.9129, 74.0238



73.4031, 81.9129, 79.9515

# Sweetspot

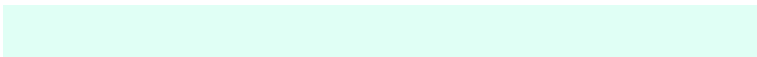
The Sweet Spot groups the original color and five complimentary colors.



78.2155, 81.9162, 106.2968



89.2320, 93.7876, 108.0075



82.9319, 93.9400, 99.8815



18.8717, 19.8305, 23.0830



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.



78.2155, 81.9162, 106.2968



74.6361, 78.0235, 105.7340



77.0732, 77.2184, 105.4502



17.4815, 18.3347, 22.8675



11.1387, 7.1869, 50.2347



1.1787, 0.8880, 4.9226



# Inverse Universe

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



82.7483, 80.5134, 89.0251



80.1443, 76.4193, 84.7232



88.5797, 97.1952, 84.6146



18.2509, 18.0837, 19.9386



22.4105, 11.4535, 5.5461

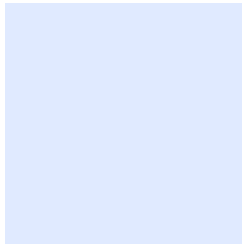


2.2295, 1.1342, 0.7902



# Previews

## White Background



This preview shows how the XYZ color 78.2133, 81.9129, 106.2962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

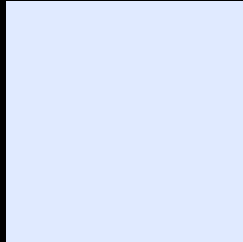
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.2133, 81.9129, 106.2962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

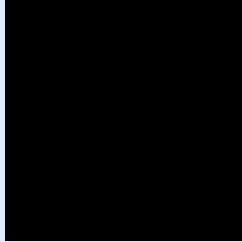
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

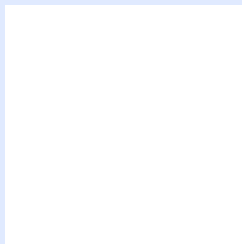
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.2133, 81.9129, 106.2962

## Background



This preview shows how black text looks on a background with the XYZ color 78.2133, 81.9129, 106.2962.



This preview shows how white text looks on a background with the XYZ color 78.2133, 81.9129,



# 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

78.2133, 81.9129, 106.2962

### Protanopia

80.0247, 82.0248, 105.3805

### Deuteranopia

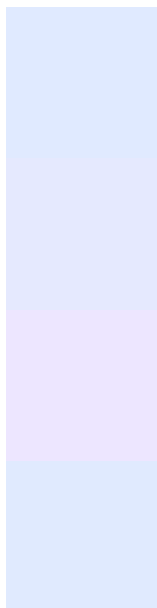
83.1753, 81.5706, 105.9686



## Tritanopia

77.8929, 81.7848, 104.6092

# Trichromacy



## Original Color

78.2133, 81.9129, 106.2962

## Protanomaly

79.3414, 82.0916, 105.4295

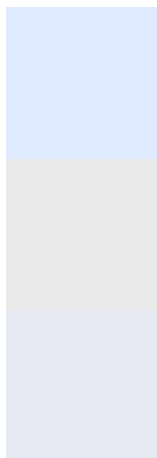
## Deuteranomaly

81.2719, 81.8182, 106.1167

## Tritanomaly

78.0527, 81.8487, 105.4505

# Monochromacy



## Original Color

78.2133, 81.9129, 106.2962

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.6492, 81.4517, 94.8483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.2133, 81.9129, 106.2962 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(224, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 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(224, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.2133, 81.9129, 106.2962 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(224, 234, 255) }
```



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

```
.border{ border-color:rgb(224, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 234, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 234, 255); box-shadow:4px 4px 4px 4px rgb(224, 234, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.2133, 81.9129, 106.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 234, 255) }
```

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

```
.background{ background-color: rgb(224,  
234, 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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