

# Converting Colors

XYZ(79.7778, 82.2244,  
110.4603)

Have a look what the booklet for  
XYZ(79.7778, 82.2244, 110.4603)  
contains.

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# Color

**XYZ(78.8675, 81.8287,  
106.2455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E9FF
RGB	227, 233, 255
RGB Percent	89%, 91%, 100%
CMY	0.1098, 0.0863, 0.0000
CMYK	0.11, 0.09, 0.00, 0.00
HSL	227°, 100%, 95%
HSV	227°, 11%, 100%
XYZ	78.8675, 81.8287, 106.2455
YIQ	233.7140, -10.6380, 5.5700

# Conversions

## Conversions Part 2

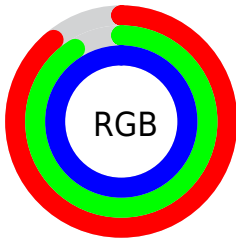
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 232, 255
Decimal	14936575
CIE Lab	92.50, 2.18, -11.30
CIE LCh	92, 11.512, 280.906
Yxy	81.8287, 0.2954, 0.3065
Android (android.graphics.Color)	4293126655 (0xFFE3E9FF)
YUV	233.7140, 10.4940, -5.8882
Hunter-Lab	90.4592, -2.6772, -6.3154

# Details

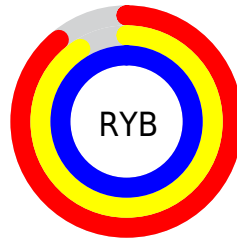
The XYZ color **78.8675, 81.8287, 106.2455** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9803, 94.5558, 86.2361**, and the grayscale version is **77.9214, 81.9793, 89.2755**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9284, 44.2922, 59.7127** is the 20% darker color. If you saturate the color by 10%, you get **66.0600, 67.2819, 104.1127**, and if you desaturate by 10%, it is **93.5143, 98.2838, 108.6497**.

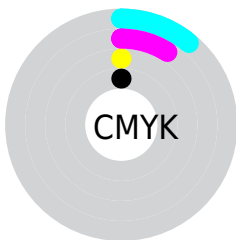
# Distribution



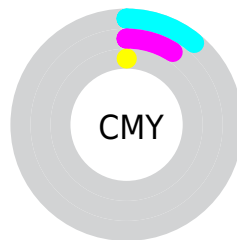
- Red (89%)
- Green (91%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8675, 81.8287, 106.2455 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 78.8675, 81.8287, 106.2455 by changing the saturation by 10% instead.



■ 78.8675, 81.8287,  
106.2455

■ 78.8675, 81.8287,  
106.2455

479.9028,  
501.0745, 601.4529

■ 59.0921, 61.2243,  
80.8807

130.7312,  
135.9338, 171.8402

■ 42.9339, 44.4062,  
59.9129

163.5503,  
170.2032, 212.9073

■ 30.0276, 30.9900,  
42.9236

201.4480,  
209.7966, 260.0455

■ 20.0077, 20.5912,  
29.4942

244.7896,  
255.0981, 313.6734

■ 12.5089, 12.8255,  
19.2062

293.9405,  
306.4923, 374.2096

■ 7.1659, 7.3085,  
11.6411

349.2662,

■ 3.6133, 3.6558,

364.3635, 442.0725

6.3802

411.1318,  
429.0961, 517.6808

■ 1.4858, 1.4829,  
3.0051

■ 0.3161, 0.2767,  
1.0973

■ 78.8675, 81.8287,  
106.2455

■ 78.8675, 81.8287,  
106.2455

■ 66.0600, 67.2819,  
104.1127

■ 93.5143, 98.2838,  
108.6497

■ 55.0117, 54.5637,  
102.2402

■ 95.0500, 100.0000,  
108.9000

■ 45.6461, 43.6033,  
100.6182

■ 37.8785, 34.3215,  
99.2360

■ 31.6165, 26.6327,  
98.0820

■ 26.7580, 20.4436,  
97.1434

■ 23.1875, 15.6501,  
96.4064

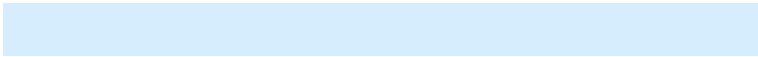
■ 20.7691, 12.1336,  
95.8551

■ 19.4007, 9.9214,  
95.5002

# Harmonies

## Analogous

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



75.9120, 81.8287, 105.5634



78.8675, 81.8287, 106.2455



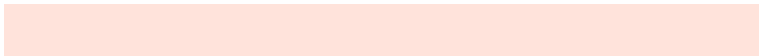
81.5977, 81.8287, 102.1169

# Triad

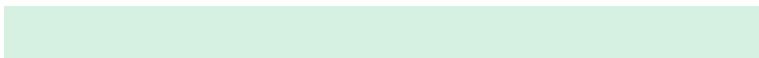
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8675, 81.8287, 106.2455



82.1979, 81.8287, 78.7544



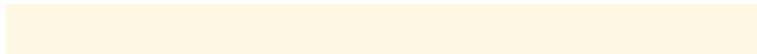
72.4734, 81.8287, 83.8243

# Complementary

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



78.8675, 81.8287, 106.2455



88.9803, 94.5558, 86.2361

# Split Complementary

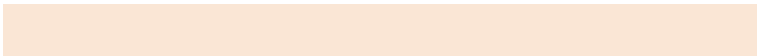
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0750, 81.8287, 77.2347



78.8675, 81.8287, 106.2455



79.6697, 81.8287, 74.4396

# Square

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



78.8675, 81.8287, 106.2455



83.5530, 81.8287, 86.0214



76.6941, 81.8287, 73.9017



72.2711, 81.8287, 92.2462



# Rectangle

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



78.8675, 81.8287, 106.2455



82.9034, 81.8287, 97.3376



76.6941, 81.8287, 73.9017



72.8640, 81.8287, 81.3362

# Sweetspot

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



78.8697, 81.8320, 106.2460



90.4040, 94.8031, 108.1418



84.5279, 94.6867, 103.3897



19.0906, 20.0009, 23.1043



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.



78.8697, 81.8320, 106.2460



76.1358, 78.7410, 105.7935



79.7592, 79.8106, 105.8090



17.3186, 18.0089, 22.8132



10.2246, 5.3588, 49.9300



1.0709, 0.6726, 4.8866



# Inverse Universe

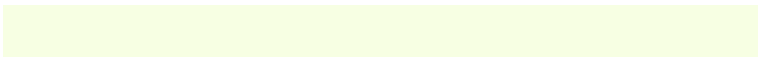
The Inverse Universe completely reimagines the original color for something new.



83.4185, 82.0830, 88.5416



81.4584, 79.0777, 85.0678



88.0070, 96.8526, 86.7307



18.1687, 18.0508, 19.5057



21.9491, 11.2689, 3.1165

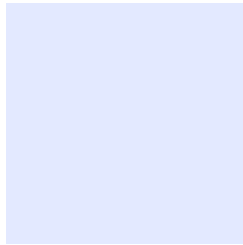


2.1752, 1.1124, 0.5038



# Previews

## White Background



This preview shows how the XYZ color 78.8675, 81.8287, 106.2455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

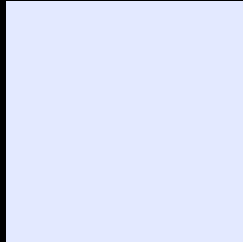
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8675, 81.8287, 106.2455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

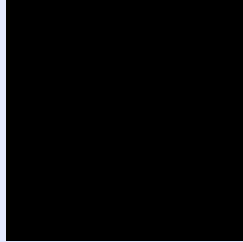
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.8675, 81.8287, 106.2455

## Background



This preview shows how black text looks on a background with the XYZ color 78.8675, 81.8287, 106.2455.



This preview shows how white text looks on a background with the XYZ color 78.8675, 81.8287,



# 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

78.8675, 81.8287, 106.2455

### Protanopia

79.7010, 81.8579, 105.3654

### Deuteranopia

83.1753, 81.5706, 105.9686



## **Tritanopia**

78.0736, 81.4749, 103.7068

# Trichromacy



## Original Color

78.8675, 81.8287, 106.2455

## Protanomaly

79.3791, 81.6920, 105.3503

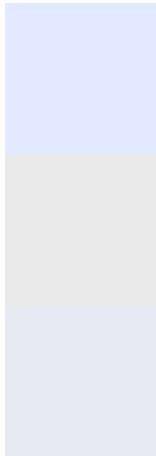
## Deuteranomaly

81.3292, 81.4358, 106.0399

## Tritanomaly

78.2326, 81.5384, 104.5437

# Monochromacy



## Original Color

78.8675, 81.8287, 106.2455

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.4048, 82.2454, 95.7470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8675, 81.8287, 106.2455 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(227, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 233, 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(227, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8675, 81.8287, 106.2455 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(227, 233, 255) }
```



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

```
.border{ border-color:rgb(227, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8675, 81.8287, 106.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 233, 255) }
```

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

```
.background{ background-color: rgb(227,  
233, 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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