

# Converting Colors

XYZ(81.9193, 87.3610,  
103.6929)

Have a look what the booklet for  
XYZ(81.9193, 87.3610, 103.6929)  
contains.

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# Color

**XYZ(81.7978, 87.2923,  
103.8047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F2FB
RGB	230, 242, 251
RGB Percent	90%, 95%, 98%
CMY	0.0980, 0.0510, 0.0157
CMYK	0.08, 0.04, 0.00, 0.02
HSL	206°, 72%, 94%
HSV	206°, 8%, 98%
XYZ	81.7978, 87.2923, 103.8047
YIQ	239.4380, -10.0410, 0.2550

# Conversions

## Conversions Part 2

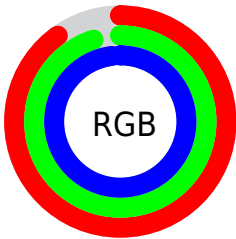
Format	Color
R <sub>Y</sub> B	230, 238, 251
Decimal	15135483
CIE Lab	94.86, -2.26, -5.70
CIE LCh	95, 6.131, 248.382
Yxy	87.2923, 0.2997, 0.3199
Android (android.graphics.Color)	4293325563 (0xFFE6F2FB)
YUV	239.4380, 5.7001, -8.2771
Hunter-Lab	93.4303, -7.2273, -0.4722

# Details

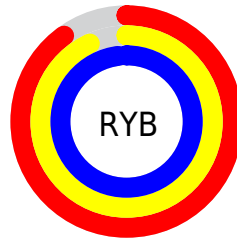
The XYZ color **81.7978, 87.2923, 103.8047** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9333, 87.9546, 87.3647**, and the grayscale version is **82.3500, 86.6386, 94.3495**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8648, 48.0566, 58.5410** is the 20% darker color. If you saturate the color by 10%, you get **71.2093, 77.2238, 102.4207**, and if you desaturate by 10%, it is **93.7018, 98.3231, 105.3078**.

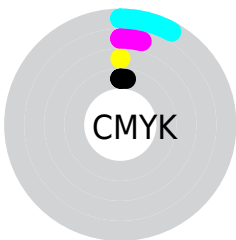
# Distribution



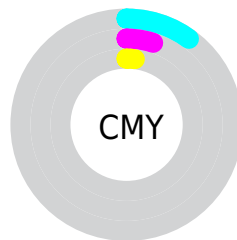
- Red (90%)
- Green (95%)
- Blue (98%)



- Red (90%)
- Yellow (93%)
- Blue (98%)



- Cyan (8%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7978, 87.2923, 103.8047 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 81.7978, 87.2923, 103.8047 by changing the saturation by 10% instead.



81.7978, 87.2923,  
103.8047

81.7978, 87.2923,  
103.8047

489.6159,  
519.1829, 593.6738

61.5124, 65.7371,  
78.8473

134.8277,  
143.5715, 168.4733

44.8929, 48.0590,  
58.2497

168.3030,  
179.0643, 209.0215

31.5740, 33.8736,  
41.5934

206.9055,  
219.9718, 255.6037

21.1903, 22.7965,  
28.4598

251.0008,  
266.6783, 308.6385

13.3764, 14.4433,  
18.4305

300.9541,  
319.5683, 368.5443

7.7671, 8.4297,  
11.0869

357.1308,

3.9968, 4.3711,

379.0261, 435.7398

6.0104

419.8963,  
445.4362, 510.6434

■ 1.7003, 1.8832,  
2.7825

■ 0.4565, 0.5383,  
0.9847

■ 81.7978, 87.2923,  
103.8047

■ 81.7978, 87.2923,  
103.8047

■ 71.2093, 77.2238,  
102.4207

■ 93.7018, 98.3231,  
105.3078

■ 61.9137, 68.0940,  
101.1484

■ 94.4128, 99.7451,  
105.5448

■ 53.8575, 59.8728,  
99.9862

■ 46.9799, 52.5239,  
98.9302

■ 41.2151, 46.0082,  
97.9764

■ 36.4897, 40.2826,  
97.1203

■ 32.7209, 35.2988,  
96.3569

■ 29.8110, 31.0009,  
95.6807

■ 27.6250, 27.3132,  
95.0841

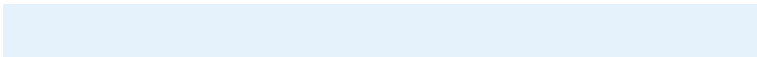
# Harmonies

## Analogous

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



80.4906, 87.2923, 100.8388



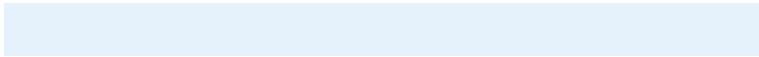
81.7978, 87.2923, 103.8047



83.4351, 87.2923, 104.3844

# Triad

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



81.7978, 87.2923, 103.8047



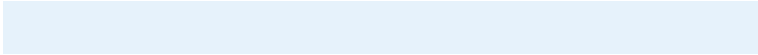
86.1682, 87.2923, 93.7195



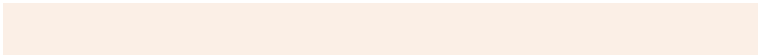
81.0017, 87.2923, 88.0562

# Complementary

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



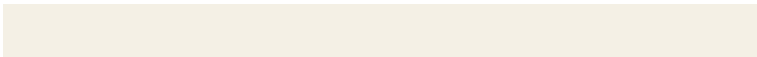
81.7978, 87.2923, 103.8047



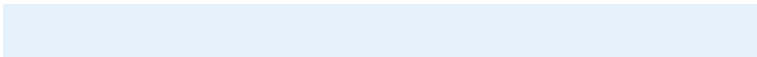
84.9333, 87.9546, 87.3647

# Split Complementary

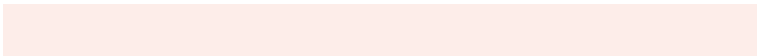
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5041, 87.2923, 86.2828



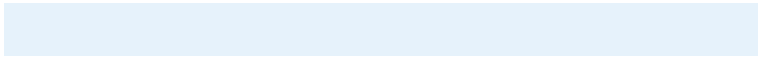
81.7978, 87.2923, 103.8047



85.4972, 87.2923, 89.4803

# Square

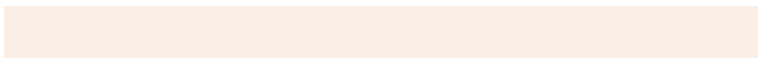
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



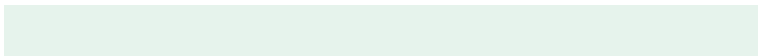
81.7978, 87.2923, 103.8047



85.9730, 87.2923, 98.4558



84.1507, 87.2923, 86.7953

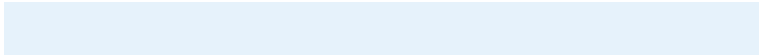


80.0353, 87.2923, 91.7168



# Rectangle

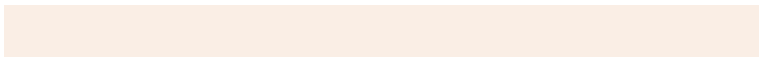
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7978, 87.2923, 103.8047



84.4959, 87.2923, 103.3218



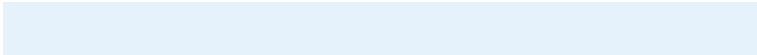
84.1507, 87.2923, 86.7953



81.4600, 87.2923, 87.2252

# Sweetspot

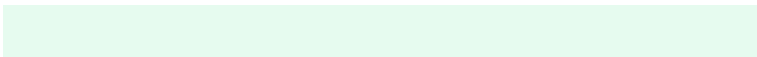
The Sweet Spot groups the original color and five complimentary colors.



81.8003, 87.2960, 103.8066



91.2547, 96.5047, 108.4254



82.6747, 92.0360, 94.8765



19.3198, 20.4594, 23.1807



0.0000, 0.0000, 0.0000

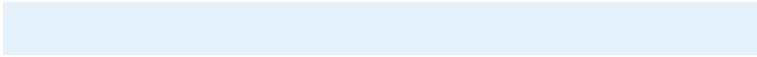


20.3446, 21.4041, 23.3091

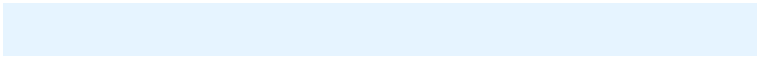


# Same Dimension

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



81.8003, 87.2960, 103.8066



82.8964, 88.7075, 107.3609



78.8334, 81.3620, 102.8176



17.1067, 18.2903, 22.0141



14.5009, 14.3573, 49.9805



1.4482, 1.5401, 4.6641



# Inverse Universe

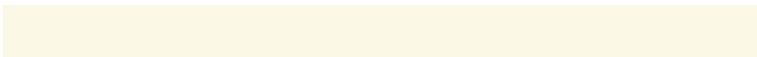
The Inverse Universe completely reimagines the original color for something new.



84.1094, 83.5153, 95.6958



85.7385, 84.1120, 97.3648



88.0210, 94.1299, 88.3939



17.6604, 17.3915, 20.0675



23.6114, 11.8603, 15.1939

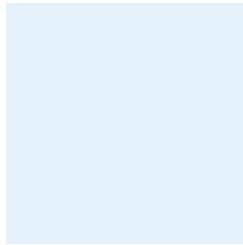


2.2399, 1.1197, 1.6868



# Previews

## White Background



This preview shows how the XYZ color 81.7978, 87.2923, 103.8047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

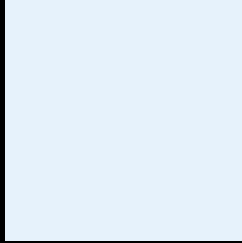
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7978, 87.2923, 103.8047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

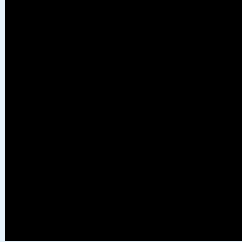
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

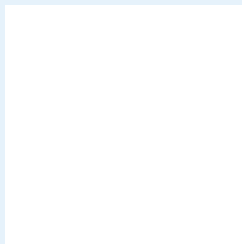
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.7978, 87.2923, 103.8047

## Background



This preview shows how black text looks on a background with the XYZ color 81.7978, 87.2923, 103.8047.



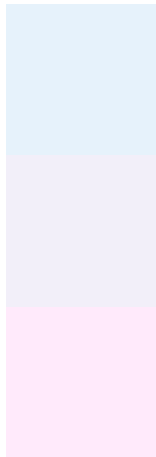
This preview shows how white text looks on a background with the XYZ color 81.7978, 87.2923,

103.8047.

# 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

81.7978, 87.2923, 103.8047

### Protanopia

84.5833, 87.4498, 102.0440

### Deuteranopia

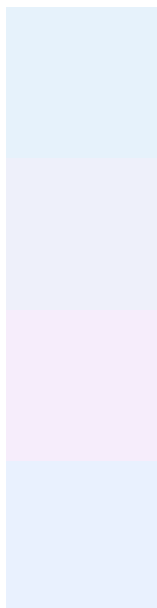
88.0754, 87.0707, 103.4310



## Tritanopia

83.1418, 87.0326, 107.0247

# Trichromacy



## Original Color

81.7978, 87.2923, 103.8047

## Protanomaly

83.6753, 87.3994, 102.9021

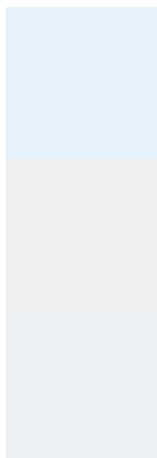
## Deuteranomaly

85.7028, 87.1262, 103.5668

## Tritanomaly

82.9490, 87.3900, 106.2620

# Monochromacy



## Original Color

81.7978, 87.2923, 103.8047

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.9298, 86.6241, 97.1960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7978, 87.2923, 103.8047 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(230, 242, 251) looks like.

```
.text, #text, p{  
    color:rgb(230, 242, 251)  
}
```

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(230, 242, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 242, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7978, 87.2923, 103.8047 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(230, 242, 251) }
```



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

```
.border{ border-color:rgb(230, 242, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 242, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 242, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 242, 251);  
box-shadow:4px 4px 4px 4px rgb(230, 242,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7978, 87.2923, 103.8047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 242, 251) }
```

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

```
.background{ background-color: rgb(230,  
242, 251) }
```

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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