

# Converting Colors

XYZ(80.4772, 81.2022,  
106.0397)

Have a look what the booklet for  
XYZ(80.4772, 81.2022, 106.0397)  
contains.

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# Color

**XYZ(80.6078, 81.4758,  
106.0857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE6FF
RGB	235, 230, 255
RGB Percent	92%, 90%, 100%
CMY	0.0784, 0.0980, 0.0000
CMYK	0.08, 0.10, 0.00, 0.00
HSL	252°, 100%, 95%
HSV	252°, 10%, 100%
XYZ	80.6078, 81.4758, 106.0857
YIQ	234.3450, -5.0450, 8.8350

# Conversions

## Conversions Part 2

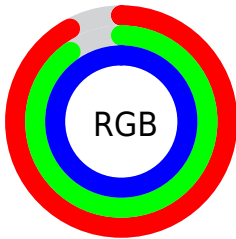
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 230, 255
Decimal	15460095
CIE Lab	92.34, 6.28, -11.47
CIE LCh	92, 13.081, 298.701
Yxy	81.4758, 0.3006, 0.3038
Android (android.graphics.Color)	4293650175 (0xFFE6E6FF)
YUV	234.3450, 10.1829, 0.5744
Hunter-Lab	90.2639, 1.4427, -6.4978

# Details

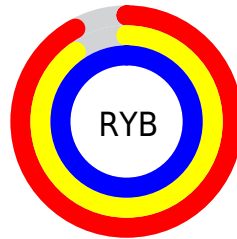
The XYZ color **80.6078, 81.4758, 106.0857** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4692, 97.5581, 88.9819**, and the grayscale version is **78.3980, 82.4808, 89.8216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1134, 44.3209, 59.6558** is the 20% darker color. If you saturate the color by 10%, you get **67.6702, 65.0329, 103.5938**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

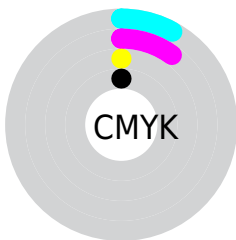
# Distribution



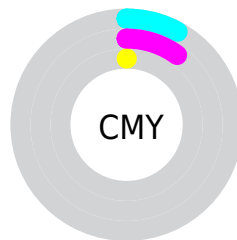
- Red (92%)
- Green (90%)
- Blue (100%)



- Red (92%)
- Yellow (90%)
- Blue (100%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6078, 81.4758, 106.0857 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 80.6078, 81.4758, 106.0857 by changing the saturation by 10% instead.




 80.6078, 81.4758,  
106.0857

 80.6078, 81.4758,  
106.0857


485.6842,  
499.8926, 600.9453

 60.5288, 60.9335,  
80.7475


133.1660,  
135.4387, 171.6200

 44.0961, 44.1715,  
59.8039


166.3759,  
169.6280, 212.6533

 30.9443, 30.8054,  
42.8363


204.6935,  
209.1352, 259.7552

 20.7081, 20.4507,  
29.4263

248.4841,  
254.3447, 313.3445

 13.0220, 12.7231,  
19.1552

298.1131,  
305.6407, 373.8396

 7.5208, 7.2381,  
11.6045

353.9459,

 3.8391, 3.6115,

363.4078, 441.6590

6.3557

416.3478,  
428.0303, 517.2214

■ 1.6115, 1.4587,  
2.9903

■ 0.3999, 0.2594,  
1.0897

■ 80.6078, 81.4758,  
106.0857

■ 80.6078, 81.4758,  
106.0857

■ 67.6702, 65.0329,  
103.5938

95.0500, 100.0000,  
108.9000

■ 56.4701, 50.9579,  
101.4673

■ 46.9342, 39.1435,  
99.6895

■ 38.9811, 29.4704,  
98.2416

■ 32.5227, 21.8082,  
97.1030

■ 27.4615, 16.0120,  
96.2510

■ 23.6884, 11.9170,  
95.6594

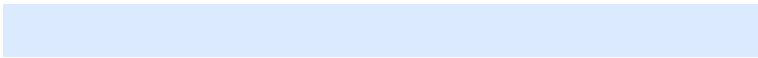
■ 21.0760, 9.3285,  
95.2975

■ 19.4401, 7.9448,  
95.1166

# Harmonies

## Analogous

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



77.2929, 81.4758, 108.6810



80.6078, 81.4758, 106.0857



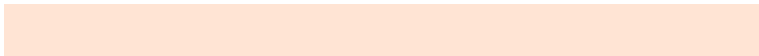
83.1351, 81.4758, 98.7521

# Triad

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



80.6078, 81.4758, 106.0857



80.8705, 81.4758, 73.7220



71.1148, 81.4758, 88.2915

# Complementary

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



80.6078, 81.4758, 106.0857



89.4692, 97.5581, 88.9819

# 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.



72.0117, 81.4758, 79.3790



80.6078, 81.4758, 106.0857



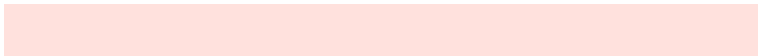
77.5879, 81.4758, 71.3546

# Square

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



80.6078, 81.4758, 106.0857



83.2898, 81.4758, 80.0604



74.3569, 81.4758, 73.3492



71.8713, 81.4758, 97.9682



# Rectangle

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



80.6078, 81.4758, 106.0857



83.9988, 81.4758, 92.4152



74.3569, 81.4758, 73.3492



71.2324, 81.4758, 85.1116

# Sweetspot

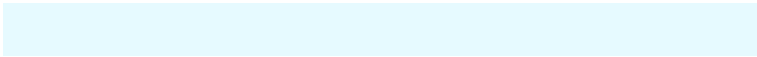
The Sweet Spot groups the original color and five complimentary colors.



80.6100, 81.4791, 106.0862



90.4418, 94.0734, 107.9989



85.0004, 92.6750, 108.0158



19.1007, 19.8048, 23.0660



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.



80.6100, 81.4791, 106.0862



77.6127, 77.6553, 105.5061



84.7361, 83.6062, 106.2793



17.3421, 17.5526, 22.7239



10.2395, 4.1891, 49.7035



1.0806, 0.4510, 4.8434



# Inverse Universe

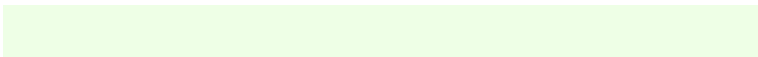
The Inverse Universe completely reimagines the original color for something new.



86.7941, 84.7589, 102.2307



85.0839, 81.6188, 100.7962



85.2768, 95.3968, 88.7857



18.6279, 18.2345, 21.9235



27.2999, 13.4093, 31.2935

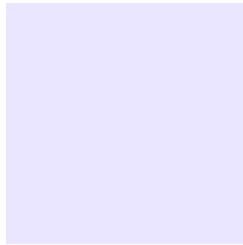


2.6958, 1.3207, 3.2454



# Previews

## White Background



This preview shows how the XYZ color 80.6078, 81.4758, 106.0857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

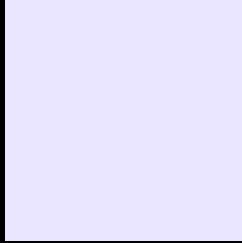
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6078, 81.4758, 106.0857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

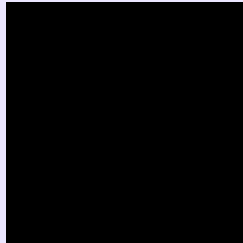
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.6078, 81.4758, 106.0857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.6078, 81.4758, 106.0857.



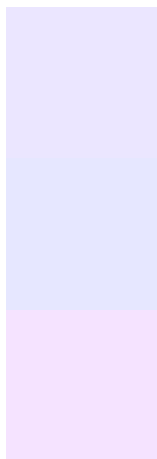
This preview shows how white text looks on a background with the XYZ color 80.6078, 81.4758,

106.0857.

# 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

80.6078, 81.4758, 106.0857

### Protanopia

79.2590, 81.1948, 106.1025

### Deuteranopia

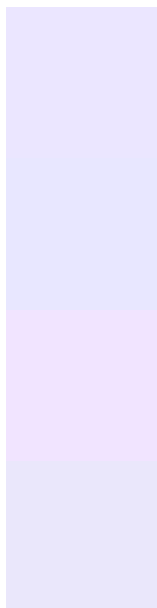
83.1753, 81.5706, 105.9686



## Tritanopia

79.6065, 81.4838, 101.1548

# Trichromacy



## Original Color

80.6078, 81.4758, 106.0857

## Protanomaly

79.9046, 81.5276, 106.1327

## Deuteranomaly

82.0690, 81.4076, 105.9955

## Tritanomaly

79.9202, 81.6093, 102.8067

# Monochromacy



## Original Color

80.6078, 81.4758, 106.0857

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

79.0976, 82.1811, 95.6980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6078, 81.4758, 106.0857 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(235, 230, 255) looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 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(235, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6078, 81.4758, 106.0857 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(235, 230, 255) }
```



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

```
.border{ border-color:rgb(235, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6078, 81.4758, 106.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 255) }
```

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

```
.background{ background-color: rgb(235,  
230, 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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