

Converting Colors

XYZ(82.3760, 82.7638,
111.6897)

Have a look what the booklet for
XYZ(82.3760, 82.7638, 111.6897)
contains.

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Color

**XYZ(81.2180, 82.2047,
106.1942)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7FF
RGB	236, 231, 255
RGB Percent	93%, 91%, 100%
CMY	0.0745, 0.0941, 0.0000
CMYK	0.07, 0.09, 0.00, 0.00
HSL	252°, 100%, 95%
HSV	252°, 9%, 100%
XYZ	81.2180, 82.2047, 106.1942
YIQ	235.2310, -4.7240, 8.5240

Conversions

Conversions Part 2

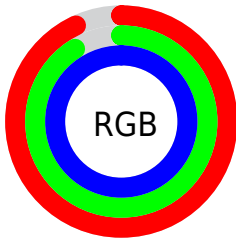
Format	Color
R _Y B	236, 231, 255
Decimal	15525887
CIE Lab	92.67, 6.08, -10.99
CIE LCh	93, 12.559, 298.981
Yxy	82.2047, 0.3012, 0.3049
Android (android.graphics.Color)	4293715967 (0xFFECE7FF)
YUV	235.2310, 9.7461, 0.6744
Hunter-Lab	90.6668, 1.2308, -5.9771

Details

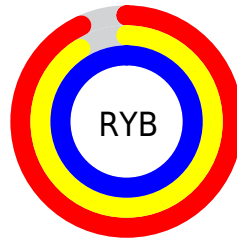
The XYZ color **81.2180, 82.2047, 106.1942** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6101, 97.6144, 89.7238**, and the grayscale version is **79.0742, 83.1922, 90.5963**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3454, 44.4405, 59.6667** is the 20% darker color. If you saturate the color by 10%, you get **68.2659, 65.6952, 103.6902**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

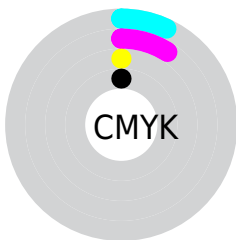
Distribution



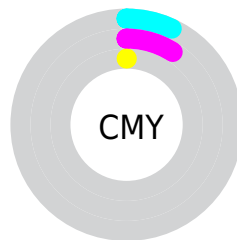
- Red (93%)
- Green (91%)
- Blue (100%)



- Red (93%)
- Yellow (91%)
- Blue (100%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2180, 82.2047, 106.1942 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 81.2180, 82.2047, 106.1942 by changing the saturation by 10% instead.

81.2180, 82.2047,
106.1942

81.2180, 82.2047,
106.1942

487.7024,
502.3321, 601.2900

61.0331, 61.5343,
80.8379

134.0184,
136.4610, 171.7696

44.5045, 44.6565,
59.8779

167.3645,
170.8157, 212.8257

31.2669, 31.1869,
42.8956

205.8285,
210.5006, 259.9523

20.9550, 20.7412,
29.4724

249.7756,
255.9001, 313.5678

13.2034, 12.9350,
19.1898

299.5711,
307.3986, 374.0908

7.6467, 7.3838,
11.6293

355.5806,

3.9196, 3.7033,

365.3806, 441.9398

6.3724

418.1692,
430.2303, 517.5333

■ 1.6568, 1.5090,
3.0004

■ 0.4290, 0.2950,
1.0948

■ 81.2180, 82.2047,
106.1942

■ 81.2180, 82.2047,
106.1942

■ 68.2659, 65.6952,
103.6902

95.0500, 100.0000,
108.9000

■ 57.0392, 51.5499,
101.5516

■ 47.4656, 39.6625,
99.7617

■ 39.4651, 29.9145,
98.3018

■ 32.9508, 22.1766,
97.1516

■ 27.8270, 16.3051,
96.2883

■ 23.9861, 12.1368,
95.6862

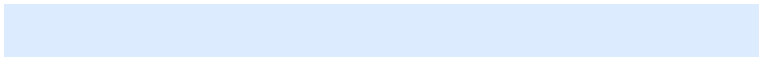
■ 21.3034, 9.4792,
95.3146

■ 19.6034, 8.0451,
95.1274

Harmonies

Analogous

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



78.0213, 82.2047, 108.7370



81.2180, 82.2047, 106.1942



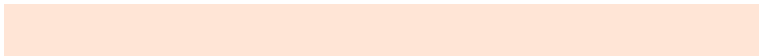
83.6440, 82.2047, 99.1068

Triad

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



81.2180, 82.2047, 106.1942



81.4169, 82.2047, 74.9505



72.0161, 82.2047, 89.1871

Complementary

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



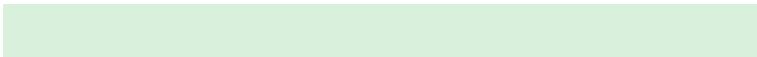
81.2180, 82.2047, 106.1942



89.6101, 97.6144, 89.7238

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.



72.8697, 82.2047, 80.5479



81.2180, 82.2047, 106.1942



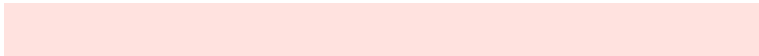
78.2450, 82.2047, 72.6893

Square

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



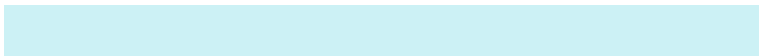
81.2180, 82.2047, 106.1942



83.7611, 82.2047, 81.0660



75.1273, 82.2047, 74.6663



72.7630, 82.2047, 98.5144

Rectangle

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



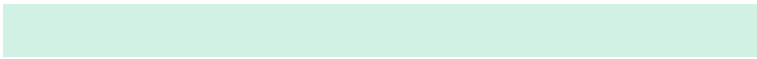
81.2180, 82.2047, 106.1942



84.4660, 82.2047, 92.9917



75.1273, 82.2047, 74.6663



72.1249, 82.2047, 86.1104

Sweetspot

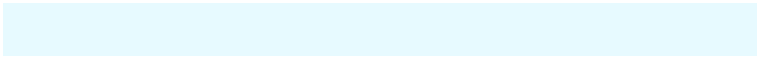
The Sweet Spot groups the original color and five complimentary colors.



81.2202, 82.2081, 106.1947



90.4645, 94.0851, 108.0000



85.2549, 92.7061, 108.0084



19.1068, 19.8080, 23.0662



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.



81.2202, 82.2081, 106.1947



79.0415, 79.4193, 105.7713



85.2685, 84.2951, 106.3842



17.3564, 17.5599, 22.7246



10.2998, 4.2202, 49.7063



1.0884, 0.4550, 4.8437

Inverse Universe

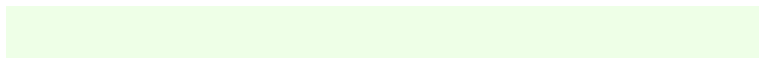
The Inverse Universe completely reimagines the original color for something new.



87.0733, 85.3172, 102.3239



85.8191, 83.0203, 101.2539



85.5129, 95.5023, 89.5321



18.6211, 18.2317, 21.8878



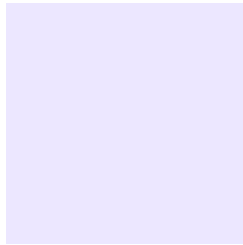
27.1692, 13.3570, 30.6052



2.6842, 1.3160, 3.1841

Previews

White Background



This preview shows how the XYZ color 81.2180, 82.2047, 106.1942 looks on a white background.

Color Contrast Check

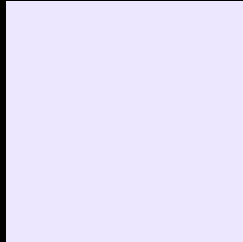
Large Text (above 18pt) WCAG AA × Fail

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 81.2180, 82.2047, 106.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

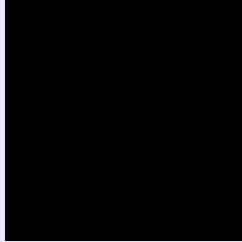
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2180, 82.2047, 106.1942

Background



This preview shows how black text looks on a background with the XYZ color 81.2180, 82.2047, 106.1942.

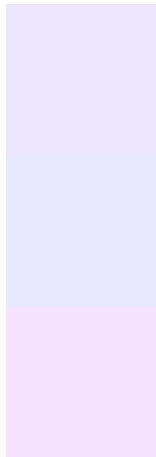


This preview shows how white text looks on a background with the XYZ color 81.2180, 82.2047,

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

81.2180, 82.2047, 106.1942

Protanopia

80.1853, 82.0890, 106.2263

Deuteranopia

83.7994, 82.2996, 106.0765



Tritanopia

80.3729, 82.2775, 102.0875

Trichromacy



Original Color

81.2180, 82.2047, 106.1942

Protanomaly

80.5109, 82.2569, 106.2415

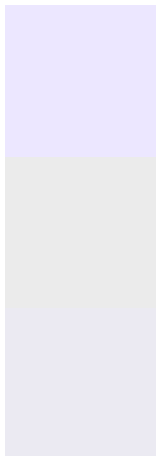
Deuteranomaly

82.6873, 82.1359, 106.1035

Tritanomaly

80.6882, 82.4037, 103.7482

Monochromacy



Original Color

81.2180, 82.2047, 106.1942

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.7108, 82.9186, 95.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2180, 82.2047, 106.1942 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(236, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 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(236, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.2180, 82.2047, 106.1942 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(236, 231, 255) }
```


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

```
.border{ border-color:rgb(236, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2180, 82.2047, 106.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 255) }
```

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

```
.background{ background-color: rgb(236,  
231, 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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