

Converting Colors

XYZ(81.0332, 81.3322,
106.0355)

Have a look what the booklet for
XYZ(81.0332, 81.3322, 106.0355)
contains.

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Color

**XYZ(80.9944, 81.2631,
106.0242)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE5FF
RGB	237, 229, 255
RGB Percent	93%, 90%, 100%
CMY	0.0706, 0.1019, 0.0000
CMYK	0.07, 0.10, 0.00, 0.00
HSL	258°, 100%, 95%
HSV	258°, 10%, 100%
XYZ	80.9944, 81.2631, 106.0242
YIQ	234.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

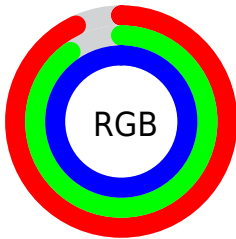
Format	Color
R_{YB}	237, 229, 255
Decimal	15590911
CIE Lab	92.25, 7.44, -11.60
CIE LCh	92, 13.782, 302.694
Yxy	81.2631, 0.3019, 0.3029
Android (android.graphics.Color)	4293780991 (0xFFE5E5FF)
YUV	234.3560, 10.1775, 2.3188
Hunter-Lab	90.1460, 2.6231, -6.6310

Details

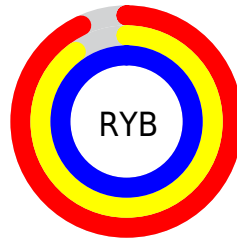
The XYZ color **80.9944, 81.2631, 106.0242** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.2624, 96.9521, 88.1943**, and the grayscale version is **78.4056, 82.4887, 89.8302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3852, 44.1731, 59.6130** is the 20% darker color. If you saturate the color by 10%, you get **68.8434, 65.2849, 103.5805**, and if you desaturate by 10%, it is **94.7665, 99.6198, 108.8416**.

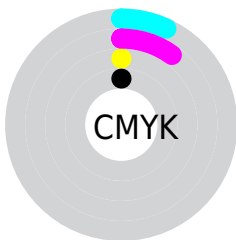
Distribution



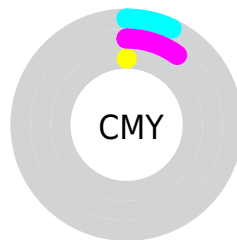
- Red (93%)
- Green (90%)
- Blue (100%)



- Red (93%)
- Yellow (90%)
- Blue (100%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9944, 81.2631, 106.0242 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 80.9944, 81.2631, 106.0242 by changing the saturation by 10% instead.

80.9944, 81.2631,
106.0242

80.9944, 81.2631,
106.0242

486.9634,
499.1794, 600.7498

60.8483, 60.7583,
80.6962

133.7061,
135.1401, 171.5353

44.3548, 44.0301,
59.7619

167.0024,
169.2812, 212.5555

31.1486, 30.6942,
42.8027

205.4127,
208.7364, 259.6435

20.8644, 20.3661,
29.4001

249.3026,
253.8902, 313.2179

13.1368, 12.6614,
19.1355

299.0372,
305.1271, 373.6972

7.6005, 7.1958,
11.5904

354.9819,

3.8900, 3.5849,

362.8313, 441.4999

6.3463

417.5022,
427.3873, 517.0446

■ 1.6401, 1.4442,
2.9846

■ 0.4183, 0.2489,
1.0868

■ 80.9944, 81.2631,
106.0242

■ 80.9944, 81.2631,
106.0242

■ 68.8434, 65.2849,
103.5805

94.7665, 99.6198,
108.8416

■ 58.2453, 51.5765,
101.4931

95.0500, 100.0000,
108.9000

■ 49.1364, 40.0357,
99.7456

■ 41.4460, 30.5484,
98.3197

■ 35.0974, 22.9896,
97.1953

■ 30.0059, 17.2206,
96.3502

■ 26.0760, 13.0830,
95.7587

■ 23.1965, 10.3893,
95.3905

■ 21.2287, 8.8587,
95.1988

Harmonies

Analogous

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



77.5603, 81.2631, 109.5414



80.9944, 81.2631, 106.0242



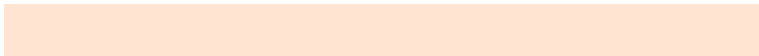
83.4808, 81.2631, 97.7819

Triad

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



80.9944, 81.2631, 106.0242



80.4207, 81.2631, 72.1822



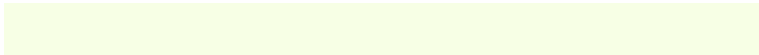
70.6011, 81.2631, 89.4062

Complementary

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



80.9944, 81.2631, 106.0242



88.2624, 96.9521, 88.1943

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.



71.3147, 81.2631, 79.7907



80.9944, 81.2631, 106.0242



76.9169, 81.2631, 70.3105

Square

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



80.9944, 81.2631, 106.0242



83.1425, 81.2631, 78.3106



73.5998, 81.2631, 72.9895



71.6202, 81.2631, 99.4975

Rectangle

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



80.9944, 81.2631, 106.0242



84.2277, 81.2631, 90.9979



73.5998, 81.2631, 72.9895



70.6463, 81.2631, 86.0123

Sweetspot

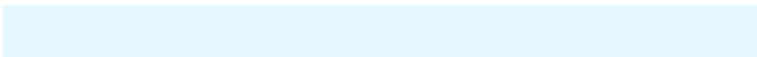
The Sweet Spot groups the original color and five complimentary colors.



80.9966, 81.2664, 106.0248



90.7360, 94.2250, 108.0127



83.6872, 90.5238, 107.6698



19.1799, 19.8457, 23.0697



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.



80.9966, 81.2664, 106.0248



78.6839, 78.2075, 105.5562



85.4239, 83.5488, 106.2319



17.5286, 17.6487, 22.7326



11.2254, 4.6974, 49.7496



1.1990, 0.5120, 4.8489

Inverse Universe

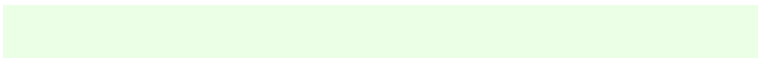
The Inverse Universe completely reimagines the original color for something new.



86.0497, 84.0171, 99.6797



84.5744, 81.4150, 98.1133



83.9024, 94.7044, 87.9903



18.5407, 18.1996, 21.4647



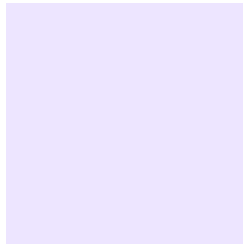
25.7420, 12.7861, 23.0899



2.5554, 1.2645, 2.5059

Previews

White Background



This preview shows how the XYZ color 80.9944, 81.2631, 106.0242 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 80.9944, 81.2631, 106.0242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

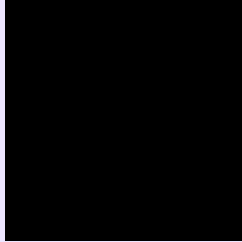
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9944, 81.2631, 106.0242

Background



This preview shows how black text looks on a background with the XYZ color 80.9944, 81.2631, 106.0242.

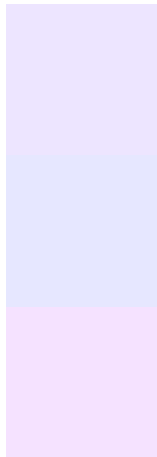


This preview shows how white text looks on a background with the XYZ color 80.9944, 81.2631,

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

80.9944, 81.2631, 106.0242

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

82.9025, 81.0252, 105.8777



Tritanopia

79.8322, 81.2038, 100.2732

Trichromacy



Original Color

80.9944, 81.2631, 106.0242

Protanomaly

79.9511, 81.1373, 106.0549

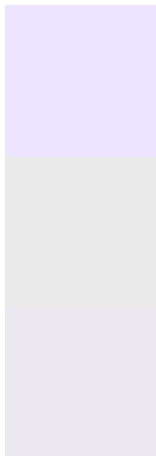
Deuteranomaly

82.1370, 81.0354, 105.9201

Tritanomaly

80.3015, 81.3915, 102.7446

Monochromacy



Original Color

80.9944, 81.2631, 106.0242

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.1446, 81.7862, 95.6193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9944, 81.2631, 106.0242 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(237, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 229, 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(237, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9944, 81.2631, 106.0242 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(237, 229, 255) }
```


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

```
.border{ border-color:rgb(237, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9944, 81.2631, 106.0242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 229, 255) }
```

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

```
.background{ background-color: rgb(237,  
229, 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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