

Converting Colors

XYZ(82.1986, 82.8045,
106.2583)

Have a look what the booklet for
XYZ(82.1986, 82.8045, 106.2583)
contains.

XYZ(82.2225, 82.7226, 106.2412)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(82.2225, 82.7226,
106.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE7FF
RGB	239, 231, 255
RGB Percent	94%, 91%, 100%
CMY	0.0627, 0.0941, 0.0000
CMYK	0.06, 0.09, 0.00, 0.00
HSL	260°, 100%, 95%
HSV	260°, 9%, 100%
XYZ	82.2225, 82.7226, 106.2412
YIQ	236.1280, -2.9360, 9.1600

Conversions

Conversions Part 2

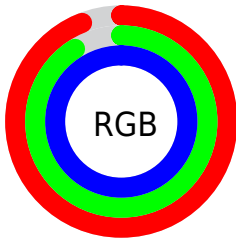
Format	Color
R _Y B	239, 231, 255
Decimal	15722495
CIE Lab	92.89, 7.05, -10.62
CIE LCh	93, 12.750, 303.576
Yxy	82.7226, 0.3032, 0.3050
Android (android.graphics.Color)	4293912575 (0xFFEFE7FF)
YUV	236.1280, 9.3039, 2.5187
Hunter-Lab	90.9520, 2.2018, -5.5904

Details

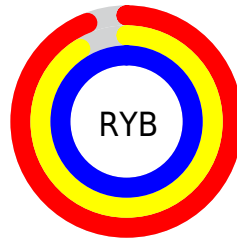
The XYZ color **82.2225, 82.7226, 106.2412** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5437, 97.0647, 89.6741**, and the grayscale version is **79.7614, 83.9152, 91.3837**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0515, 44.8044, 59.6997** is the 20% darker color. If you saturate the color by 10%, you get **70.1266, 66.6545, 103.7773**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

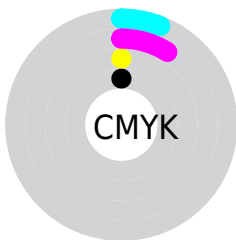
Distribution



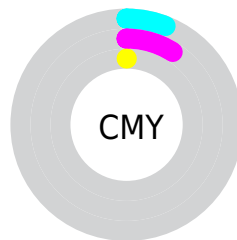
- Red (94%)
- Green (91%)
- Blue (100%)



- Red (94%)
- Yellow (91%)
- Blue (100%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2225, 82.7226, 106.2412 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 82.2225, 82.7226, 106.2412 by changing the saturation by 10% instead.

82.2225, 82.7226,
106.2412

82.2225, 82.7226,
106.2412

491.0149,
504.0616, 601.4393

61.8637, 61.9613,
80.8771

135.4202,
137.1869, 171.8343

45.1777, 45.0015,
59.9100

168.9897,
171.6587, 212.9005

31.7993, 31.4586,
42.9213

207.6936,
211.4694, 260.0377

21.3631, 20.9483,
29.4924

251.8971,
257.0036, 313.6646

13.5036, 13.0862,
19.2049

301.9657,
308.6454, 374.1996

7.8556, 7.4879,
11.6401

358.2646,

4.0537, 3.7691,

366.7795, 442.0614

6.3796

421.1592,
431.7900, 517.6684

■ 1.7326, 1.5452,
3.0047

■ 0.4765, 0.3203,
1.0970

■ 82.2225, 82.7226,
106.2412

■ 82.2225, 82.7226,
106.2412

■ 70.1266, 66.6545,
103.7773

95.0500, 100.0000,
108.9000

■ 59.5486, 52.8436,
101.6690

■ 50.4272, 41.1893,
99.9003

■ 42.6942, 31.5792,
98.4529

■ 36.2755, 23.8906,
97.3072

■ 31.0896, 17.9870,
96.4410

■ 27.0446, 13.7135,
95.8293

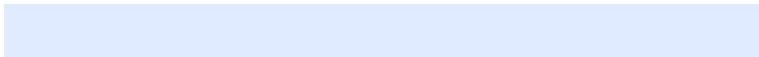
■ 24.0339, 10.8868,
95.4424

■ 21.9025, 9.2303,
95.2350

Harmonies

Analogous

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



79.0257, 82.7226, 109.6553



82.2225, 82.7226, 106.2412



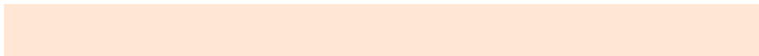
84.5042, 82.7226, 98.4864

Triad

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



82.2225, 82.7226, 106.2412



81.5114, 82.7226, 74.6165



72.4021, 82.7226, 91.2203

Complementary

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



82.2225, 82.7226, 106.2412



88.5437, 97.0647, 89.6741

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.



73.0257, 82.7226, 82.1489



82.2225, 82.7226, 106.2412



78.2264, 82.7226, 72.9692

Square

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



82.2225, 82.7226, 106.2412



84.0855, 82.7226, 80.2985



75.1347, 82.7226, 75.6306



73.4068, 82.7226, 100.6055

Rectangle

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



82.2225, 82.7226, 106.2412



85.1661, 82.7226, 92.1397



75.1347, 82.7226, 75.6306



72.4284, 82.7226, 88.0332

Sweetspot

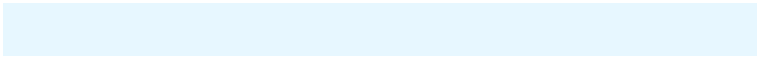
The Sweet Spot groups the original color and five complimentary colors.



82.2247, 82.7260, 106.2418



90.8062, 94.2612, 108.0160



84.3906, 90.9774, 107.7203



19.1988, 19.8554, 23.0705



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.



82.2247, 82.7260, 106.2418



80.1964, 80.0147, 105.8253



86.2676, 84.8102, 106.4310



17.5733, 17.6718, 22.7347



11.5286, 4.8537, 49.7638



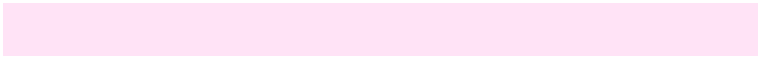
1.2328, 0.5294, 4.8505

Inverse Universe

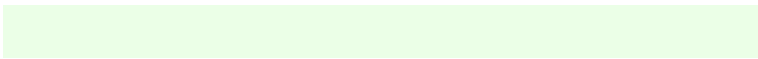
The Inverse Universe completely reimagines the original color for something new.



86.6066, 85.1306, 99.8660



85.2766, 82.8033, 98.3973



84.5793, 95.0210, 89.4886



18.5202, 18.1914, 21.3566



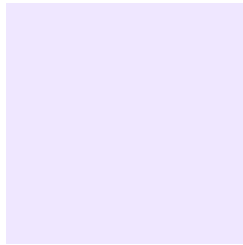
25.4133, 12.6546, 21.3585



2.5251, 1.2524, 2.3468

Previews

White Background



This preview shows how the XYZ color 82.2225, 82.7226, 106.2412 looks on a white background.

Color Contrast Check

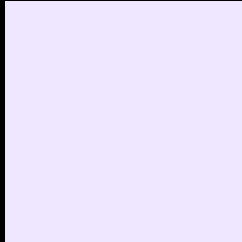
Large Text (above 18pt) WCAG AA × Fail

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 82.2225, 82.7226, 106.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

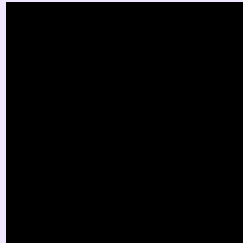
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.2225, 82.7226, 106.2412

Background



This preview shows how black text looks on a background with the XYZ color 82.2225, 82.7226, 106.2412.



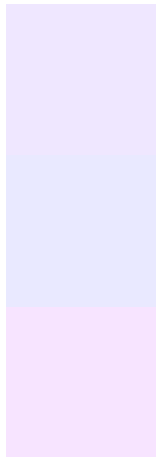
This preview shows how white text looks on a background with the XYZ color 82.2225, 82.7226,

106.2412.

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

82.2225, 82.7226, 106.2412

Protanopia

80.7932, 82.8215, 106.3356

Deuteranopia

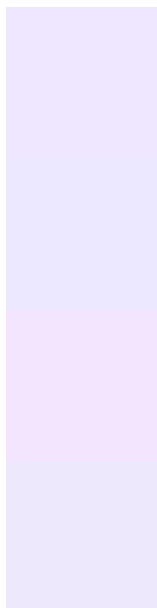
84.1512, 82.4810, 106.0929



Tritanopia

81.3718, 82.7925, 102.1343

Trichromacy



Original Color

82.2225, 82.7226, 106.2412

Protanomaly

81.1676, 82.5954, 106.2723

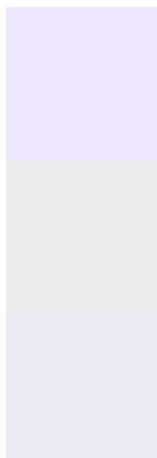
Deuteranomaly

83.3775, 82.4917, 106.1358

Tritanomaly

81.6872, 82.9186, 103.7950

Monochromacy



Original Color

82.2225, 82.7226, 106.2412

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

80.5255, 83.3212, 96.6325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.2225, 82.7226, 106.2412 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(239, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.2225, 82.7226, 106.2412 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(239, 231, 255) }
```


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

```
.border{ border-color:rgb(239, 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(239, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.2225, 82.7226, 106.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 231, 255) }
```

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

```
.background{ background-color: rgb(239,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor