

Converting Colors

XYZ(90.6862, 83.7013,
153.6485)

Have a look what the booklet for
XYZ(90.6862, 83.7013, 153.6485)
contains.

XYZ(81.5932, 79.9477, 105.7388)	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(81.5932, 79.9477,
105.7388)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E1FF
RGB	242, 225, 255
RGB Percent	95%, 88%, 100%
CMY	0.0510, 0.1176, 0.0000
CMYK	0.05, 0.12, 0.00, 0.00
HSL	274°, 100%, 94%
HSV	274°, 12%, 100%
XYZ	81.5932, 79.9477, 105.7388
YIQ	233.5030, 0.5020, 12.9340

Conversions

Conversions Part 2

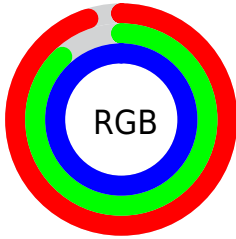
Format	Color
R _Y B	242, 225, 255
Decimal	15917567
CIE Lab	91.66, 11.14, -12.43
CIE LCh	92, 16.694, 311.863
Yxy	79.9477, 0.3053, 0.2991
Android (android.graphics.Color)	4294107647 (0xFF2E1FF)
YUV	233.5030, 10.5980, 7.4519
Hunter-Lab	89.4135, 6.4145, -7.5259

Details

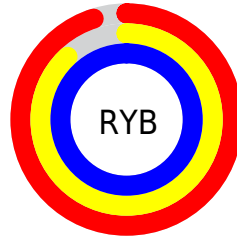
The XYZ color **81.5932, 79.9477, 105.7388** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.6125, 95.1343, 85.1413**, and the grayscale version is **77.7554, 81.8047, 89.0854**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8175, 43.2658, 59.4151** is the 20% darker color. If you saturate the color by 10%, you get **71.5293, 65.2807, 103.4382**, and if you desaturate by 10%, it is **92.9200, 96.7983, 108.3943**.

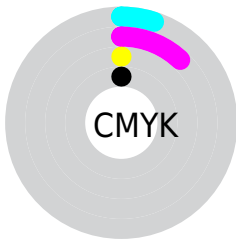
Distribution



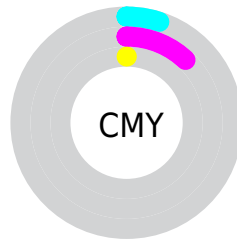
- Red (95%)
- Green (88%)
- Blue (100%)



- Red (95%)
- Yellow (88%)
- Blue (100%)



- Cyan (5%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.5932, 79.9477, 105.7388 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 81.5932, 79.9477, 105.7388 by changing the saturation by 10% instead.


 81.5932, 79.9477,
105.7388

 81.5932, 79.9477,
105.7388


488.9411,
494.7566, 599.8424

 61.3432, 59.6753,
80.4583


134.5422,
133.2922, 171.1419

 44.7558, 43.1570,
59.5672


167.9719,
167.1331, 212.1016

 31.4656, 30.0083,
42.6469


206.5256,
206.2656, 259.1249

 21.1072, 19.8449,
29.2788

250.5686,
251.0742, 312.6301

 13.3153, 12.2823,
19.0444

300.4664,
301.9432, 373.0360

 7.7245, 6.9363,
11.5253

356.5841,

 3.9695, 3.4223,

359.2570, 440.7609

6.3027

419.2872,
423.4000, 516.2235

■ 1.6849, 1.3560,
2.9583

■ 0.4468, 0.1839,
1.0734

■ 81.5932, 79.9477,
105.7388

■ 81.5932, 79.9477,
105.7388

■ 71.5293, 65.2807,
103.4382

■ 92.9200, 96.7983,
108.3943

■ 62.6724, 52.6945,
101.4756

95.0500, 100.0000,
108.9000

■ 54.9717, 42.0923,
99.8350

■ 48.3698, 33.3660,
98.4986

■ 42.8040, 26.3964,
97.4467

■ 38.2044, 21.0506,
96.6573

■ 34.4911, 17.1755,
96.1051

■ 31.5685, 14.5873,
95.7595

■ 29.6385, 13.1941,
95.5923

Harmonies

Analogous

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



77.6862, 79.9477, 112.1170



81.5932, 79.9477, 105.7388



84.0508, 79.9477, 94.5673

Triad

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



81.5932, 79.9477, 105.7388



78.5695, 79.9477, 66.5829



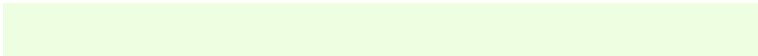
68.2414, 79.9477, 91.9674

Complementary

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



81.5932, 79.9477, 105.7388



84.6125, 95.1343, 85.1413

Split Complementary

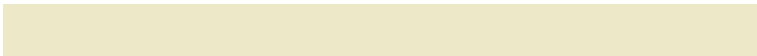
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4579, 79.9477, 79.9410



81.5932, 79.9477, 105.7388



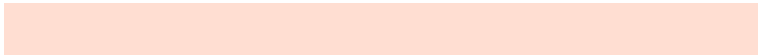
74.3145, 79.9477, 66.0280

Square

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



81.5932, 79.9477, 105.7388



82.2605, 79.9477, 72.2975



70.6454, 79.9477, 70.7033



70.0425, 79.9477, 103.6829

Rectangle

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



81.5932, 79.9477, 105.7388



84.4827, 79.9477, 86.2882



70.6454, 79.9477, 70.7033



68.0825, 79.9477, 87.8152

Sweetspot

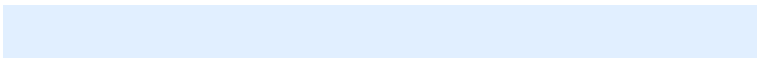
The Sweet Spot groups the original color and five complimentary colors.



81.5953, 79.9510, 105.7393



90.2744, 92.8351, 107.7687



79.8243, 84.6709, 106.7437



19.1352, 19.5908, 23.0228



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.



81.5953, 79.9510, 105.7393



79.2355, 76.4827, 105.1942



85.9762, 82.2372, 104.6888



17.9882, 17.8856, 22.7541



15.6612, 6.9841, 49.9572



1.6502, 0.7446, 4.8700

Inverse Universe

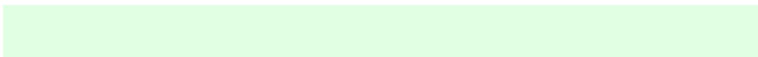
The Inverse Universe completely reimagines the original color for something new.



83.5998, 81.2867, 92.1754



81.6121, 78.0646, 89.1901



80.6100, 93.0472, 86.0269



18.3362, 18.1178, 20.3876



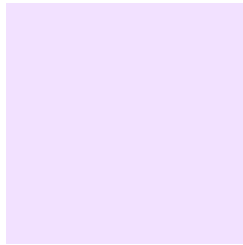
23.1054, 11.7315, 9.2055



2.3033, 1.1637, 1.1785

Previews

White Background



This preview shows how the XYZ color 81.5932, 79.9477, 105.7388 looks on a white background.

Color Contrast Check

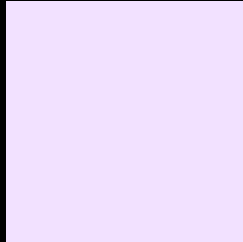
Large Text (above 18pt) WCAG AA × Fail

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 81.5932, 79.9477, 105.7388 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 81.5932, 79.9477, 105.7388

Background



This preview shows how black text looks on a background with the XYZ color 81.5932, 79.9477, 105.7388.



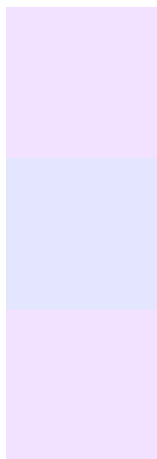
This preview shows how white text looks on a background with the XYZ color 81.5932, 79.9477,

105.7388.

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

81.5932, 79.9477, 105.7388

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

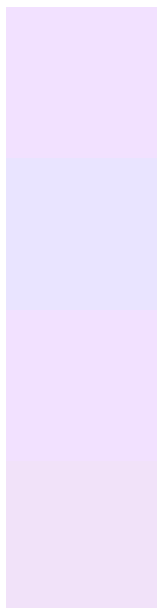
81.5932, 79.9477, 105.7388



Tritanopia

79.8857, 80.0560, 97.6281

Trichromacy



Original Color

81.5932, 79.9477, 105.7388

Protanomaly

79.3977, 80.0304, 105.8705

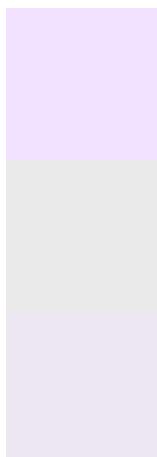
Deuteranomaly

81.5932, 79.9477, 105.7388

Tritanomaly

80.5709, 79.9330, 100.8046

Monochromacy



Original Color

81.5932, 79.9477, 105.7388

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.5280, 81.5672, 95.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5932, 79.9477, 105.7388 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(242, 225, 255) looks like.

```
.text, #text, p{  
    color:rgb(242, 225, 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(242, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.5932, 79.9477, 105.7388 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(242, 225, 255) }
```


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

```
.border{ border-color:rgb(242, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5932, 79.9477, 105.7388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 225, 255) }
```

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

```
.background{ background-color: rgb(242,  
225, 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