

Converting Colors

XYZ(81.3913, 79.6032,
105.6829)

Have a look what the booklet for
XYZ(81.3913, 79.6032, 105.6829)
contains.

XYZ(81.3236, 79.4086, 105.6489)	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(81.3236, 79.4086,
105.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E0FF
RGB	242, 224, 255
RGB Percent	95%, 88%, 100%
CMY	0.0510, 0.1215, 0.0000
CMYK	0.05, 0.12, 0.00, 0.00
HSL	275°, 100%, 94%
HSV	275°, 12%, 100%
XYZ	81.3236, 79.4086, 105.6489
YIQ	232.9160, 0.7770, 13.4570

Conversions

Conversions Part 2

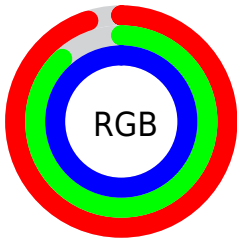
Format	Color
R_{YB}	242, 224, 255
Decimal	15917311
CIE _{Lab}	91.42, 11.66, -12.79
CIE _{LCh}	91, 17.313, 312.349
Yxy	79.4086, 0.3053, 0.2981
Android (android.graphics.Color)	4294107391 (0xFFFF2E0FF)
YUV	232.9160, 10.8874, 7.9667
Hunter-Lab	89.1115, 6.9549, -7.9150

Details

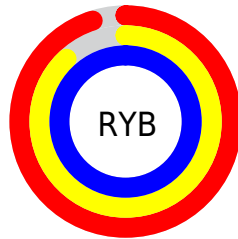
The XYZ color **81.3236, 79.4086, 105.6489** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1416, 94.9073, 84.4092**, and the grayscale version is **77.3112, 81.3374, 88.5764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6307, 42.8923, 59.3528** is the 20% darker color. If you saturate the color by 10%, you get **71.4143, 64.8799, 103.3669**, and if you desaturate by 10%, it is **92.4795, 96.1100, 108.2846**.

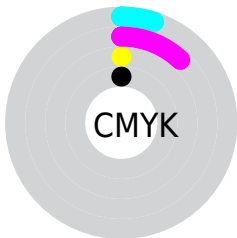
Distribution



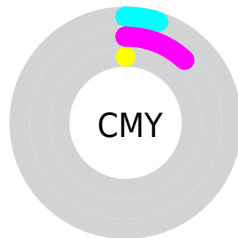
- Red (95%)
- Green (88%)
- Blue (100%)



- 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 81.3236, 79.4086, 105.6489 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 81.3236, 79.4086, 105.6489 by changing the saturation by 10% instead.


 81.3236, 79.4086,
105.6489

 81.3236, 79.4086,
105.6489


488.0512,
492.9375, 599.5564

 61.1204, 59.2318,
80.3834


134.1658,
132.5339, 171.0180

 44.5752, 42.7998,
59.5059


167.5355,
166.2513, 211.9586

 31.3228, 29.7280,
42.5978


206.0247,
205.2509, 258.9614

 20.9978, 19.6322,
29.2406

249.9989,
249.9173, 312.4449

 13.2349, 12.1280,
19.0158

299.8232,
300.6347, 372.8276

 7.6686, 6.8309,
11.5047

355.8631,

 3.9336, 3.3566,

357.7876, 440.5280

6.2890

418.4840,
421.7604, 515.9648

■ 1.6647, 1.3206,
2.9500

■ 0.4340, 0.1571,
1.0691

■ 81.3236, 79.4086,
105.6489

■ 81.3236, 79.4086,
105.6489

■ 71.4143, 64.8799,
103.3669

■ 92.4795, 96.1100,
108.2846

■ 62.6960, 52.4209,
101.4215

95.0500, 100.0000,
108.9000

■ 55.1180, 41.9349,
99.7970

■ 48.6234, 33.3135,
98.4752

■ 43.1495, 26.4373,
97.4364

■ 38.6265, 21.1730,
96.6587

■ 34.9745, 17.3668,
96.1165

■ 32.0978, 14.8334,
95.7791

■ 30.2736, 13.5215,
95.6221

Harmonies

Analogous

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



77.3006, 79.4086, 112.3771



81.3236, 79.4086, 105.6489



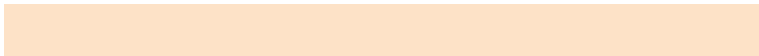
83.8341, 79.4086, 94.0251

Triad

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



81.3236, 79.4086, 105.6489



78.0719, 79.4086, 65.3542



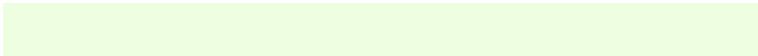
67.5035, 79.4086, 91.7522

Complementary

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



81.3236, 79.4086, 105.6489



84.1416, 94.9073, 84.4092

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.



67.6918, 79.4086, 79.3166



81.3236, 79.4086, 105.6489



73.6793, 79.4086, 64.8736

Square

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



81.3236, 79.4086, 105.6489



81.9071, 79.4086, 71.1357



69.9147, 79.4086, 69.7520



69.3897, 79.4086, 103.8463

Rectangle

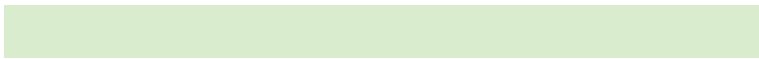
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3236, 79.4086, 105.6489



84.2547, 79.4086, 85.4726



69.9147, 79.4086, 69.7520



67.3284, 79.4086, 87.4599

Sweetspot

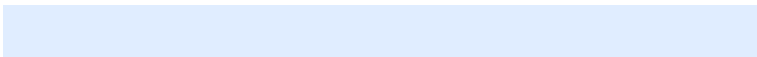
The Sweet Spot groups the original color and five complimentary colors.



81.3257, 79.4119, 105.6494



90.3257, 92.8616, 107.7711



79.2029, 83.8897, 106.6256



19.1482, 19.5975, 23.0234



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.



81.3257, 79.4119, 105.6494



78.3812, 75.0605, 104.9647



85.6162, 81.6620, 104.1230



18.0134, 17.8987, 22.7553



15.9927, 7.1550, 49.9727



1.6818, 0.7609, 4.8715

Inverse Universe

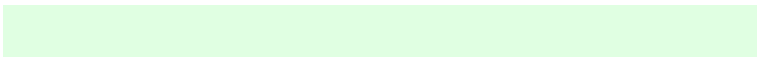
The Inverse Universe completely reimagines the original color for something new.



83.1838, 80.6890, 91.3140



80.6666, 76.6282, 87.4735



80.2396, 92.8631, 85.6986



18.3254, 18.1135, 20.3306



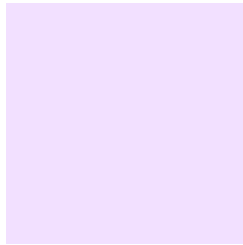
23.0043, 11.6910, 8.6733



2.2929, 1.1595, 1.1239

Previews

White Background



This preview shows how the XYZ color 81.3236, 79.4086, 105.6489 looks on a white background.

Color Contrast Check

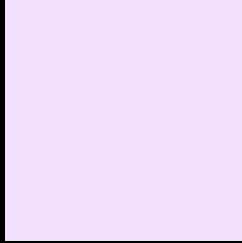
Large Text (above 18pt) WCAG AA × Fail

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 81.3236, 79.4086, 105.6489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

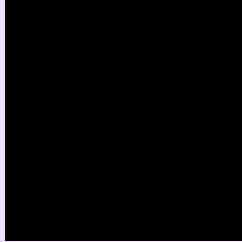
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.3236, 79.4086, 105.6489

Background



This preview shows how black text looks on a background with the XYZ color 81.3236, 79.4086, 105.6489.



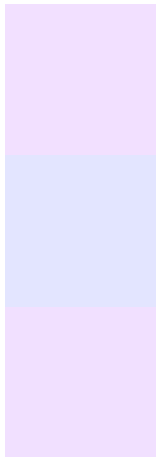
This preview shows how white text looks on a background with the XYZ color 81.3236, 79.4086,

105.6489.

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

81.3236, 79.4086, 105.6489

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

80.9813, 79.2321, 105.6329



Tritanopia

79.4607, 79.4496, 96.7352

Trichromacy



Original Color

81.3236, 79.4086, 105.6489

Protanomaly

78.7978, 79.3140, 105.7638

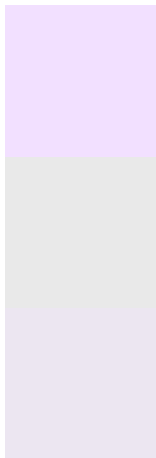
Deuteranomaly

80.9813, 79.2321, 105.6329

Tritanomaly

80.1441, 79.3285, 99.8948

Monochromacy



Original Color

81.3236, 79.4086, 105.6489

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.7661, 80.7774, 94.6593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3236, 79.4086, 105.6489 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.3236, 79.4086, 105.6489 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, 224, 255) }
```


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

```
.border{ border-color:rgb(242, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3236, 79.4086, 105.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 224, 255) }
```

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

```
.background{ background-color: rgb(242,  
224, 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