

Converting Colors

XYZ(87.9837, 80.4331,
143.0467)

Have a look what the booklet for
XYZ(87.9837, 80.4331, 143.0467)
contains.

XYZ(80.9514, 77.6395, 105.3271)	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(80.9514, 77.6395,
105.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	F4DCFF
RGB	244, 220, 255
RGB Percent	96%, 86%, 100%
CMY	0.0431, 0.1372, 0.0000
CMYK	0.04, 0.14, 0.00, 0.00
HSL	281°, 100%, 93%
HSV	281°, 14%, 100%
XYZ	80.9514, 77.6395, 105.3271
YIQ	231.1660, 3.0690, 15.9730

Conversions

Conversions Part 2

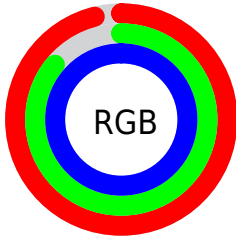
Format	Color
RYB	244, 220, 255
Decimal	16047359
CIELab	90.62, 14.40, -13.98
CIElCh	91, 20.070, 315.852
Yxy	77.6395, 0.3067, 0.2942
Android (android.graphics.Color)	4294237439 (0xFFFF4DCFF)
YUV	231.1660, 11.7502, 11.2554
Hunter-Lab	88.1133, 9.7932, -9.1936

Details

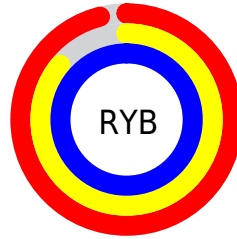
The XYZ color **80.9514, 77.6395, 105.3271** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.6352, 93.6772, 81.4929**, and the grayscale version is **75.9948, 79.9524, 87.0682**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3872, 41.6789, 59.1314** is the 20% darker color. If you saturate the color by 10%, you get **72.0424, 63.8597, 103.1369**, and if you desaturate by 10%, it is **91.0063, 93.5296, 107.8642**.

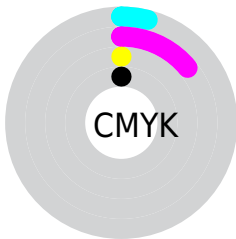
Distribution



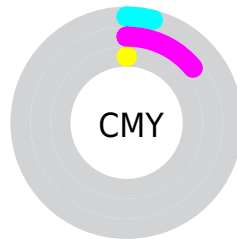
- Red (96%)
- Green (86%)
- Blue (100%)



- Red (96%)
- Yellow (86%)
- Blue (100%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9514, 77.6395, 105.3271 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 80.9514, 77.6395, 105.3271 by changing the saturation by 10% instead.

80.9514, 77.6395,
105.3271

80.9514, 77.6395,
105.3271

486.8212,
486.9417, 598.5321

60.8127, 57.7779,
80.1152

133.6460,
130.0418, 170.5743

44.3260, 41.6301,
59.2865

166.9327,
163.3513, 211.4466

31.1259, 28.8118,
42.4222

205.3328,
201.9122, 258.3763

20.8470, 18.9385,
29.1040

249.2116,
246.1089, 311.7817

13.1241, 11.6258,
18.9133

298.9345,
296.3258, 372.0814

7.5916, 6.4894,
11.4314

354.8668,

3.8844, 3.1449,

352.9473, 439.6941

6.2400

417.3739,
416.3578, 515.0381

■ 1.6369, 1.2078,
2.9204

■ 0.4163, 0.0681,
1.0541

■ 80.9514, 77.6395,
105.3271

■ 80.9514, 77.6395,
105.3271

■ 72.0424, 63.8597,
103.1369

■ 91.0063, 93.5296,
107.8642

■ 64.2254, 52.0876,
101.2766

95.0500, 100.0000,
108.9000

■ 57.4513, 42.2263,
99.7302

■ 51.6645, 34.1670,
98.4796

■ 46.8038, 27.7897,
97.5049

■ 42.8006, 22.9595,
96.7835

■ 39.5753, 19.5199,
96.2896

■ 37.0315, 17.2805,
95.9914

■ 35.6971, 16.3174,
95.8759

Harmonies

Analogous

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



76.4667, 77.6395, 114.0695



80.9514, 77.6395, 105.3271



83.5721, 77.6395, 91.4869

Triad

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



80.9514, 77.6395, 105.3271



76.1827, 77.6395, 60.4281



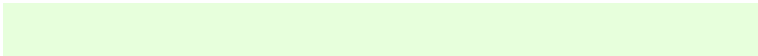
64.8783, 77.6395, 92.3277

Complementary

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



80.9514, 77.6395, 105.3271



81.6352, 93.6772, 81.4929

Split Complementary

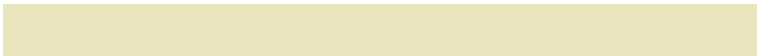
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8100, 77.6395, 77.9468



80.9514, 77.6395, 105.3271



71.1844, 77.6395, 60.5986

Square

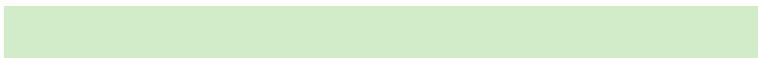
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9514, 77.6395, 105.3271



80.7354, 77.6395, 66.1832



67.0715, 77.6395, 66.6789



67.2624, 77.6395, 106.0026

Rectangle

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



80.9514, 77.6395, 105.3271



83.8363, 77.6395, 81.7444



67.0715, 77.6395, 66.6789



64.5875, 77.6395, 87.3909

Sweetspot

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



80.9535, 77.6427, 105.3276



90.7123, 93.0609, 107.7892



76.1672, 79.6371, 105.9648



19.2461, 19.6480, 23.0280



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.



80.9535, 77.6427, 105.3276



78.8260, 74.3230, 104.7989



83.8688, 79.2630, 100.1619



18.2048, 17.9973, 22.7643



18.8137, 8.6093, 50.1048



1.9448, 0.8965, 4.8838

Inverse Universe

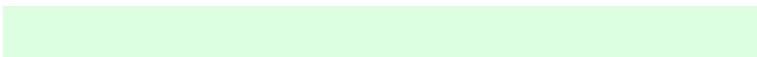
The Inverse Universe completely reimagines the original color for something new.



81.2590, 78.2191, 86.4191



79.2055, 75.0017, 82.9918



79.0622, 92.2507, 85.8941



18.2445, 18.0811, 19.9048



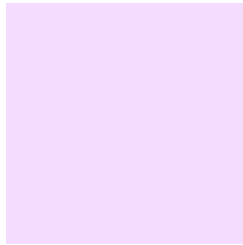
22.3672, 11.4362, 5.3184



2.2247, 1.1323, 0.7648

Previews

White Background



This preview shows how the XYZ color 80.9514, 77.6395, 105.3271 looks on a white background.

Color Contrast Check

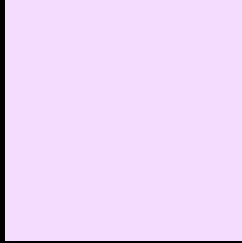
Large Text (above 18pt) WCAG AA × Fail

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 80.9514, 77.6395, 105.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

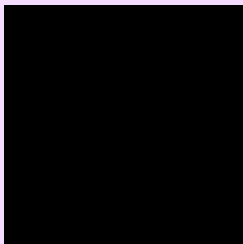
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9514, 77.6395, 105.3271

Background



This preview shows how black text looks on a background with the XYZ color 80.9514, 77.6395, 105.3271.



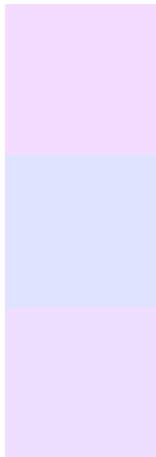
This preview shows how white text looks on a background with the XYZ color 80.9514, 77.6395,

105.3271.

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

80.9514, 77.6395, 105.3271

Protanopia

76.2596, 78.0055, 105.6450

Deuteranopia

79.4312, 77.6397, 105.4072



Tritanopia

78.7338, 77.9439, 93.3330

Trichromacy



Original Color

80.9514, 77.6395, 105.3271

Protanomaly

77.6607, 77.5202, 105.4775

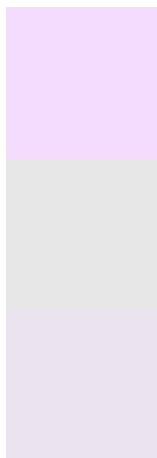
Deuteranomaly

79.8416, 77.4582, 105.3506

Tritanomaly

79.5649, 77.8898, 97.2269

Monochromacy



Original Color

80.9514, 77.6395, 105.3271

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.7893, 79.0623, 93.5987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9514, 77.6395, 105.3271 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(244, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 220, 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(244, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9514, 77.6395, 105.3271 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(244, 220, 255) }
```


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

```
.border{ border-color:rgb(244, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(244, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9514, 77.6395, 105.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 220, 255) }
```

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

```
.background{ background-color: rgb(244,  
220, 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