

Converting Colors

XYZ(91.9599, 84.7420,
163.7642)

Have a look what the booklet for
XYZ(91.9599, 84.7420, 163.7642)
contains.

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Color

**XYZ(81.1157, 80.5089,
105.8723)**

Conversions

Conversions Part 1

Format	Color
Hex	EFE3FF
RGB	239, 227, 255
RGB Percent	94%, 89%, 100%
CMY	0.0627, 0.1098, 0.0000
CMYK	0.06, 0.11, 0.00, 0.00
HSL	266°, 100%, 95%
HSV	266°, 11%, 100%
XYZ	81.1157, 80.5089, 105.8723
YIQ	233.7800, -1.8360, 11.2520

Conversions

Conversions Part 2

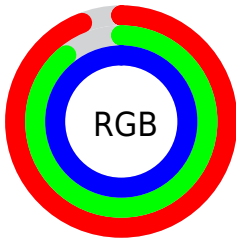
Format	Color
R _Y B	239, 227, 255
Decimal	15721471
CIE Lab	91.91, 9.13, -12.08
CIE LCh	92, 15.144, 307.072
Yxy	80.5089, 0.3032, 0.3010
Android (android.graphics.Color)	4293911551 (0xFFEFE3FF)
YUV	233.7800, 10.4615, 4.5779
Hunter-Lab	89.7268, 4.3476, -7.1500

Details

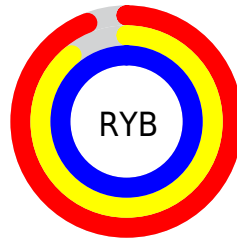
The XYZ color **81.1157, 80.5089, 105.8723** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.5892, 96.1217, 86.6666**, and the grayscale version is **77.9667, 82.0271, 89.3275**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4740, 43.6495, 59.5073** is the 20% darker color. If you saturate the color by 10%, you get **69.9284, 65.1454, 103.4964**, and if you desaturate by 10%, it is **93.7368, 98.1493, 108.6120**.

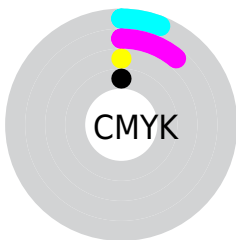
Distribution



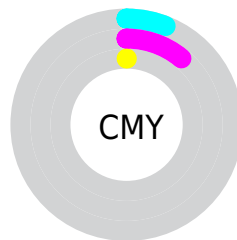
- Red (94%)
- Green (89%)
- Blue (100%)



- Red (94%)
- Yellow (89%)
- Blue (100%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1157, 80.5089, 105.8723 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 81.1157, 80.5089, 105.8723 by changing the saturation by 10% instead.

81.1157, 80.5089,
105.8723

81.1157, 80.5089,
105.8723

487.3644,
496.6462, 600.2669

60.9485, 60.1372,
80.5696

133.8755,
134.0810, 171.3259

44.4360, 43.5292,
59.6583

167.1989,
168.0502, 212.3139

31.2128, 30.3006,
42.7198

205.6383,
207.3206, 259.3675

20.9136, 20.0669,
29.3355

249.5592,
252.2768, 312.9051

13.1729, 12.4437,
19.0870

299.3269,
303.3031, 373.3453

7.6256, 7.0466,
11.5557

355.3067,

3.9061, 3.4912,

360.7838, 441.1066

6.3231

417.8641,
425.1034, 516.6077

■ 1.6491, 1.3933,
2.9706

■ 0.4241, 0.2117,
1.0796

■ 81.1157, 80.5089,
105.8723

■ 81.1157, 80.5089,
105.8723

■ 69.9284, 65.1454,
103.4964

93.7368, 98.1493,
108.6120

■ 60.1140, 51.9535,
101.4674

95.0500, 100.0000,
108.9000

■ 51.6164, 40.8344,
99.7691

■ 44.3729, 31.6776,
98.3834

■ 38.3150, 24.3618,
97.2906

■ 33.3671, 18.7520,
96.4686

■ 29.4434, 14.6934,
95.8920

■ 26.4424, 12.0015,
95.5306

■ 24.3906, 10.4887,
95.3467

Harmonies

Analogous

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



77.4451, 80.5089, 110.6646



81.1157, 80.5089, 105.8723



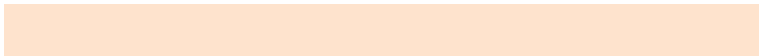
83.6132, 80.5089, 96.2667

Triad

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



81.1157, 80.5089, 105.8723



79.4701, 80.5089, 69.3876



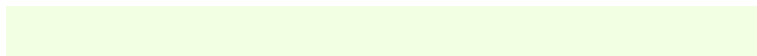
69.3412, 80.5089, 90.3221

Complementary

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



81.1157, 80.5089, 105.8723



86.5892, 96.1217, 86.6666

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.



69.8422, 80.5089, 79.5832



81.1157, 80.5089, 105.8723



75.6049, 80.5089, 68.0880

Square

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



81.1157, 80.5089, 105.8723



82.6409, 80.5089, 75.3801



72.1037, 80.5089, 71.6670



70.7115, 80.5089, 101.2071

Rectangle

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



81.1157, 80.5089, 105.8723



84.2308, 80.5089, 88.7586



72.1037, 80.5089, 71.6670



69.2971, 80.5089, 86.5715

Sweetspot

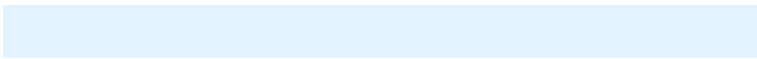
The Sweet Spot groups the original color and five complimentary colors.



81.1178, 80.5122, 105.8728



91.0678, 94.3961, 108.0282



81.8814, 87.8540, 107.2497



19.2693, 19.8917, 23.0738



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.



81.1178, 80.5122, 105.8728



78.7420, 77.2253, 105.3636



85.9075, 82.9814, 106.0969



17.7411, 17.7583, 22.7426



12.9074, 5.5645, 49.8283



1.3788, 0.6047, 4.8573

Inverse Universe

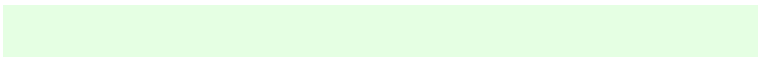
The Inverse Universe completely reimagines the original color for something new.



84.8888, 82.6724, 96.2800



83.1679, 79.7615, 94.0701



82.0471, 93.7801, 86.4540



18.4444, 18.1611, 20.9574



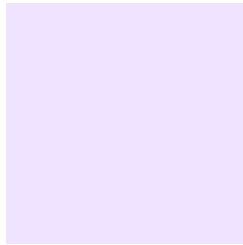
24.3249, 12.2193, 15.6275



2.4232, 1.2117, 1.8100

Previews

White Background



This preview shows how the XYZ color 81.1157, 80.5089, 105.8723 looks on a white background.

Color Contrast Check

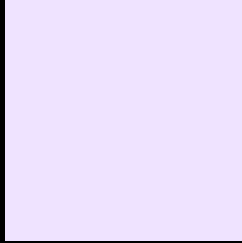
Large Text (above 18pt) WCAG AA × Fail

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 81.1157, 80.5089, 105.8723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

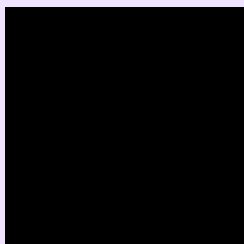
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1157, 80.5089, 105.8723

Background



This preview shows how black text looks on a background with the XYZ color 81.1157, 80.5089, 105.8723.



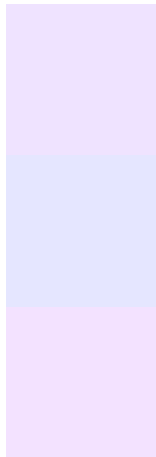
This preview shows how white text looks on a background with the XYZ color 81.1157, 80.5089,

105.8723.

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

81.1157, 80.5089, 105.8723

Protanopia

78.6599, 80.4716, 105.9945

Deuteranopia

82.2085, 80.6674, 105.8453



Tritanopia

79.6379, 80.3178, 98.4943

Trichromacy



Original Color

81.1157, 80.5089, 105.8723

Protanomaly

79.6736, 80.5823, 105.9624

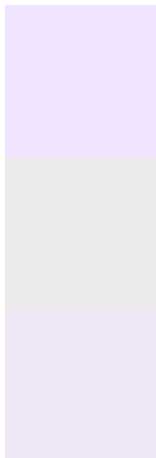
Deuteranomaly

81.8643, 80.4900, 105.8291

Tritanomaly

80.1022, 80.5035, 100.9394

Monochromacy



Original Color

81.1157, 80.5089, 105.8723

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.1950, 81.3955, 95.5413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1157, 80.5089, 105.8723 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, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 227, 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, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.1157, 80.5089, 105.8723 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, 227, 255) }
```


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

```
.border{ border-color:rgb(239, 227, 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, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 227, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 227, 255); box-shadow:4px 4px 4px 4px rgb(239, 227, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1157, 80.5089, 105.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 227, 255) }
```

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

```
.background{ background-color: rgb(239,  
227, 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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