

Converting Colors

XYZ(90.2692, 83.7716,
166.0884)

Have a look what the booklet for
XYZ(90.2692, 83.7716, 166.0884)
contains.

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Color

**XYZ(78.7978, 79.3140,
105.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E3FF
RGB	232, 227, 255
RGB Percent	91%, 89%, 100%
CMY	0.0902, 0.1098, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	251°, 100%, 95%
HSV	251°, 11%, 100%
XYZ	78.7978, 79.3140, 105.7638
YIQ	231.6870, -6.0080, 9.7680

Conversions

Conversions Part 2

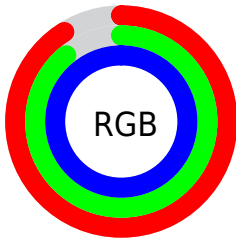
Format	Color
R_{YB}	232, 227, 255
Decimal	15262719
CIE _{Lab}	91.38, 6.88, -12.94
CIE _{LCh}	91, 14.656, 297.999
Yxy	79.3140, 0.2986, 0.3006
Android (android.graphics.Color)	4293452799 (0xFFE8E3FF)
YUV	231.6870, 11.4933, 0.2745
Hunter-Lab	89.0584, 2.0824, -8.0706

Details

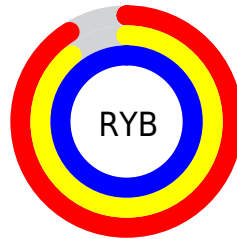
The XYZ color **78.7978, 79.3140, 105.7638** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.0514, 97.3910, 86.7817**, and the grayscale version is **76.3898, 80.3680, 87.5207**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8501, 42.8124, 59.4313** is the 20% darker color. If you saturate the color by 10%, you get **65.9339, 63.0861, 103.3095**, and if you desaturate by 10%, it is **93.5094, 98.0320, 108.6013**.

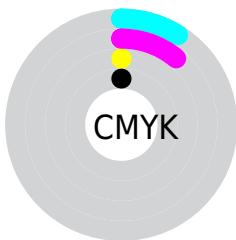
Distribution



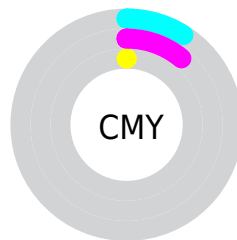
- Red (91%)
- Green (89%)
- Blue (100%)



- Red (91%)
- Yellow (89%)
- Blue (100%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7978, 79.3140, 105.7638 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 78.7978, 79.3140, 105.7638 by changing the saturation by 10% instead.

78.7978, 79.3140,
105.7638

78.7978, 79.3140,
105.7638

479.6705,
492.6180, 599.9219

59.0346, 59.1540,
80.4792

130.6336,
132.4008, 171.1764

42.8875, 42.7371,
59.5843

163.4369,
166.0964, 212.1414

29.9910, 29.6789,
42.6605

201.3177,
205.0727, 259.1703

19.9798, 19.5950,
29.2894

244.6413,
249.7141, 312.6816

12.4885, 12.1010,
19.0524

293.7730,
300.4049, 373.0939

7.1519, 6.8125,
11.5310

349.0782,

3.6044, 3.3451,

357.5295, 440.8257

6.3065

410.9222,
421.4724, 516.2955

■ 1.4809, 1.3145,
2.9606

■ 0.3128, 0.1524,
1.0745

■ 78.7978, 79.3140,
105.7638

■ 78.7978, 79.3140,
105.7638

■ 65.9339, 63.0861,
103.3095

■ 93.5094, 98.0320,
108.6013

■ 54.8378, 49.2334,
101.2205

■ 95.0500, 100.0000,
108.9000

■ 45.4329, 37.6467,
99.4797

■ 37.6347, 28.2039,
98.0681

■ 31.3509, 20.7717,
96.9647

■ 26.4800, 15.2015,
96.1463

■ 22.9070, 11.3238,
95.5861

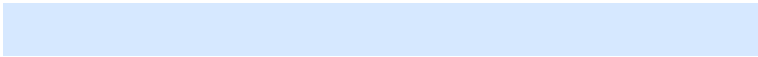
■ 20.4978, 8.9369,
95.2524

■ 19.1550, 7.7896,
95.1017

Harmonies

Analogous

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



75.1358, 79.3140, 108.5210



78.7978, 79.3140, 105.7638



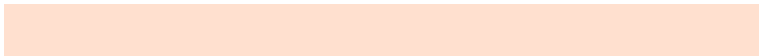
81.6233, 79.3140, 97.6904

Triad

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



78.7978, 79.3140, 105.7638



79.2446, 79.3140, 70.1079



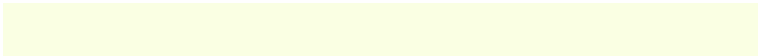
68.4527, 79.3140, 85.6454

Complementary

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



78.7978, 79.3140, 105.7638



89.0514, 97.3910, 86.7817

Split Complementary

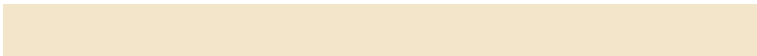
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.4741, 79.3140, 75.9404



78.7978, 79.3140, 105.7638



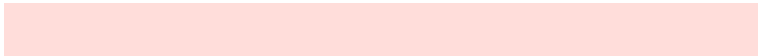
75.6359, 79.3140, 67.4412

Square

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



78.7978, 79.3140, 105.7638



81.8872, 79.3140, 77.0844



72.0733, 79.3140, 69.4867



69.2376, 79.3140, 96.3502

Rectangle

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



78.7978, 79.3140, 105.7638



82.6097, 79.3140, 90.6945



72.0733, 79.3140, 69.4867



68.5954, 79.3140, 82.1649

Sweetspot

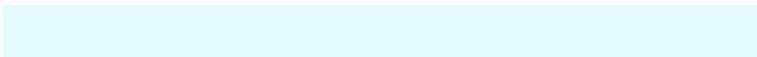
The Sweet Spot groups the original color and five complimentary colors.



78.7999, 79.3172, 105.7643



90.3835, 94.0433, 107.9962



84.0198, 92.1309, 107.9625



19.0850, 19.7968, 23.0652



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.



78.7999, 79.3172, 105.7643



76.0524, 75.8388, 105.2377



83.4104, 81.6940, 105.9801



17.3053, 17.5336, 22.7222



10.0957, 4.1150, 49.6968



1.0614, 0.4411, 4.8425

Inverse Universe

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



85.9664, 83.1034, 101.9548



84.4333, 80.2676, 100.7336



84.3299, 94.9569, 86.5608



18.6453, 18.2414, 22.0155



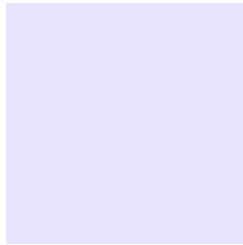
27.6444, 13.5470, 33.1073



2.7264, 1.3329, 3.4064

Previews

White Background



This preview shows how the XYZ color 78.7978, 79.3140, 105.7638 looks on a white background.

Color Contrast Check

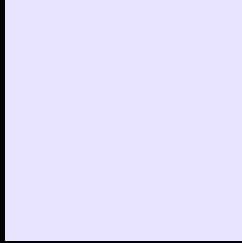
Large Text (above 18pt) WCAG AA × Fail

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 78.7978, 79.3140, 105.7638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

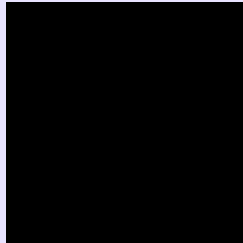
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7978, 79.3140, 105.7638

Background



This preview shows how black text looks on a background with the XYZ color 78.7978, 79.3140, 105.7638.



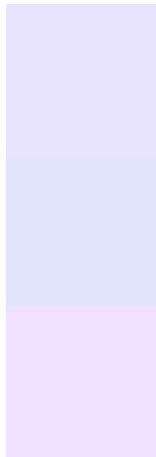
This preview shows how white text looks on a background with the XYZ color 78.7978, 79.3140,

105.7638.

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

78.7978, 79.3140, 105.7638

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

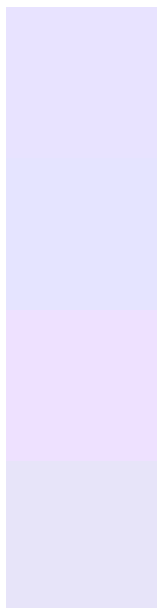
80.9813, 79.2321, 105.6329



Tritanopia

77.3330, 79.1296, 98.3864

Trichromacy



Original Color

78.7978, 79.3140, 105.7638

Protanomaly

78.1065, 79.3648, 105.8100

Deuteranomaly

80.2351, 79.2476, 105.6752

Tritanomaly

77.7973, 79.3153, 100.8316

Monochromacy



Original Color

78.7978, 79.3140, 105.7638

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.3037, 80.0407, 93.8131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7978, 79.3140, 105.7638 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(232, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.7978, 79.3140, 105.7638 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(232, 227, 255) }
```


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

```
.border{ border-color:rgb(232, 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(232, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7978, 79.3140, 105.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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