

Converting Colors

XYZ(83.6966, 80.6642,
133.7786)

Have a look what the booklet for
XYZ(83.6966, 80.6642, 133.7786)
contains.

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Color

**XYZ(78.5251, 78.7685,
105.6729)**

Conversions

Conversions Part 1

Format	Color
Hex	E8E2FF
RGB	232, 226, 255
RGB Percent	91%, 89%, 100%
CMY	0.0902, 0.1137, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	252°, 100%, 94%
HSV	252°, 11%, 100%
XYZ	78.5251, 78.7685, 105.6729
YIQ	231.1000, -5.7330, 10.2910

Conversions

Conversions Part 2

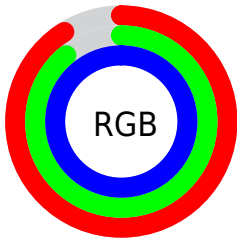
Format	Color
R _Y B	232, 226, 255
Decimal	15262463
CIE Lab	91.13, 7.40, -13.31
CIE LCh	91, 15.229, 299.079
Yxy	78.7685, 0.2986, 0.2995
Android (android.graphics.Color)	4293452543 (0xFFE8E2FF)
YUV	231.1000, 11.7827, 0.7893
Hunter-Lab	88.7516, 2.6168, -8.4680

Details

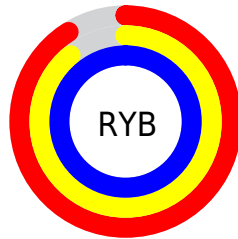
The XYZ color **78.5251, 78.7685, 105.6729** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.5562, 97.1516, 86.0400**, and the grayscale version is **75.9501, 79.9054, 87.0170**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6604, 42.4331, 59.3680** is the 20% darker color. If you saturate the color by 10%, you get **65.9085, 62.7268, 103.2415**, and if you desaturate by 10%, it is **92.9327, 97.2685, 108.4844**.

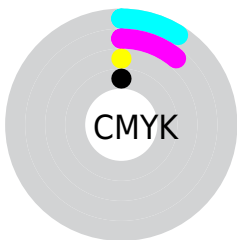
Distribution



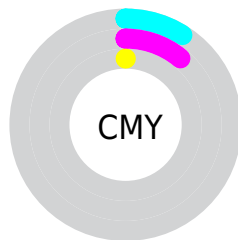
- Red (91%)
- Green (89%)
- Blue (100%)



- 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 78.5251, 78.7685, 105.6729 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 78.5251, 78.7685, 105.6729 by changing the saturation by 10% instead.

78.5251, 78.7685,
105.6729

78.5251, 78.7685,
105.6729

478.7609,
490.7728, 599.6327

58.8097, 58.7055,
80.4034

130.2515,
131.6329, 171.0511

42.7057, 42.3761,
59.5223

162.9933,
165.2031, 211.9968

29.8478, 29.3959,
42.6109

200.8079,
204.0445, 259.0051

19.8706, 19.3805,
29.2508

244.0607,
248.5414, 312.4944

12.4087, 11.9455,
19.0234

293.1170,
299.0783, 372.8832

7.0969, 6.7066,
11.5102

348.3423,

3.5696, 3.2793,

356.0396, 440.5902

6.2927

410.1018,
419.8096, 516.0339

■ 1.4617, 1.2792,
2.9522

■ 0.2995, 0.1250,
1.0703

■ 78.5251, 78.7685,
105.6729

■ 78.5251, 78.7685,
105.6729

■ 65.9085, 62.7268,
103.2415

■ 92.9327, 97.2685,
108.4844

■ 55.0056, 49.0299,
101.1723

95.0500, 100.0000,
108.9000

■ 45.7430, 37.5696,
99.4485

■ 38.0392, 28.2254,
98.0509

■ 31.8056, 20.8654,
96.9588

■ 26.9442, 15.3425,
96.1490

■ 23.3444, 11.4885,
95.5949

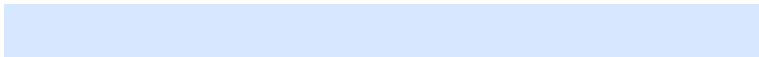
■ 20.8770, 9.1034,
95.2645

■ 19.5047, 7.9699,
95.1181

Harmonies

Analogous

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



74.7481, 78.7685, 108.7728



78.5251, 78.7685, 105.6729



81.4030, 78.7685, 97.1344

Triad

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



78.5251, 78.7685, 105.6729



78.7381, 78.7685, 68.8238



67.7025, 78.7685, 85.4251

Complementary

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



78.5251, 78.7685, 105.6729



88.5562, 97.1516, 86.0400

Split Complementary

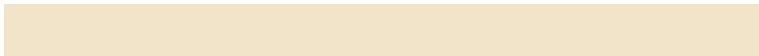
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.6908, 78.7685, 75.3202



78.5251, 78.7685, 105.6729



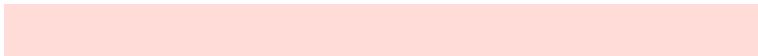
74.9862, 78.7685, 66.2553

Square

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



78.5251, 78.7685, 105.6729



81.5289, 78.7685, 75.8630



71.3245, 78.7685, 68.5298



68.5784, 78.7685, 96.4943

Rectangle

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



78.5251, 78.7685, 105.6729



82.3781, 78.7685, 89.8475



71.3245, 78.7685, 68.5298



67.8271, 78.7685, 81.8090

Sweetspot

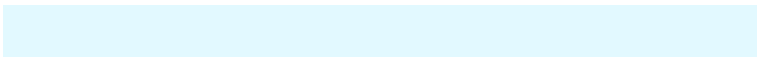
The Sweet Spot groups the original color and five complimentary colors.



78.5272, 78.7717, 105.6734



90.4607, 94.0831, 107.9998



83.3535, 91.2653, 107.8305



19.1058, 19.8075, 23.0662



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.



78.5272, 78.7717, 105.6734



75.0388, 74.3193, 104.9978



83.3597, 81.2630, 105.8995



17.3539, 17.5587, 22.7245



10.2894, 4.2149, 49.7058



1.0870, 0.4543, 4.8437

Inverse Universe

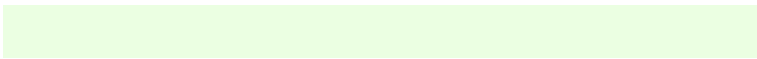
The Inverse Universe completely reimagines the original color for something new.



85.5371, 82.4953, 101.0398



83.5336, 78.8332, 99.3086



83.6514, 94.6230, 85.8104



18.6222, 18.2322, 21.8938



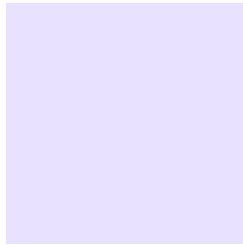
27.1912, 13.3658, 30.7210



2.6861, 1.3168, 3.1945

Previews

White Background



This preview shows how the XYZ color 78.5251, 78.7685, 105.6729 looks on a white background.

Color Contrast Check

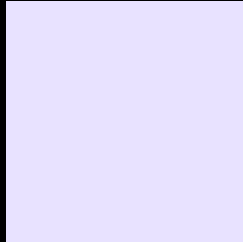
Large Text (above 18pt) WCAG AA × Fail

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 78.5251, 78.7685, 105.6729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

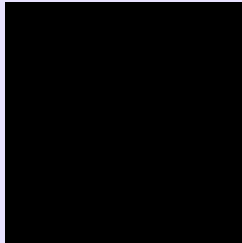
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5251, 78.7685, 105.6729

Background



This preview shows how black text looks on a background with the XYZ color 78.5251, 78.7685, 105.6729.



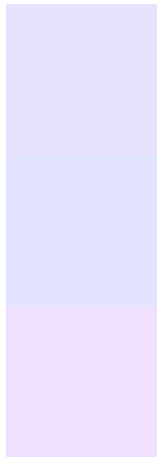
This preview shows how white text looks on a background with the XYZ color 78.5251, 78.7685,

105.6729.

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

78.5251, 78.7685, 105.6729

Protanopia

77.1574, 78.8756, 105.7656

Deuteranopia

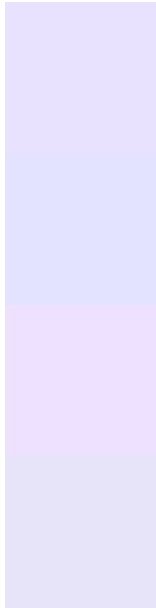
80.6408, 79.0566, 105.6170



Tritanopia

77.0111, 78.9636, 98.3714

Trichromacy



Original Color

78.5251, 78.7685, 105.6729

Protanomaly

77.5140, 78.6522, 105.7037

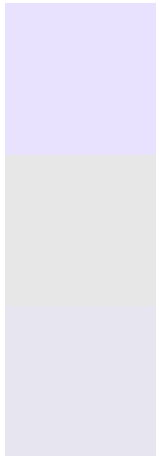
Deuteranomaly

79.9003, 79.0750, 105.6595

Tritanomaly

77.5230, 78.7666, 100.7401

Monochromacy



Original Color

78.5251, 78.7685, 105.6729

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.7025, 79.3188, 93.7055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5251, 78.7685, 105.6729 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 226, 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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.5251, 78.7685, 105.6729 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, 226, 255) }
```


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

```
.border{ border-color:rgb(232, 226, 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, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5251, 78.7685, 105.6729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 226, 255) }
```

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

```
.background{ background-color: rgb(232,  
226, 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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