

Converting Colors

XYZ(83.2437, 81.0137,
128.0505)

Have a look what the booklet for
XYZ(83.2437, 81.0137, 128.0505)
contains.

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Color

**XYZ(79.1234, 79.4818,
105.7790)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E3FF
RGB	233, 227, 255
RGB Percent	91%, 89%, 100%
CMY	0.0863, 0.1098, 0.0000
CMYK	0.09, 0.11, 0.00, 0.00
HSL	253°, 100%, 95%
HSV	253°, 11%, 100%
XYZ	79.1234, 79.4818, 105.7790
YIQ	231.9860, -5.4120, 9.9800

Conversions

Conversions Part 2

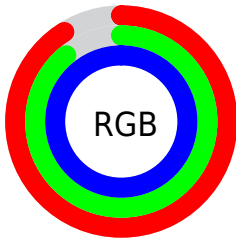
Format	Color
R _Y B	233, 227, 255
Decimal	15328255
CIE Lab	91.45, 7.20, -12.82
CIE LCh	91, 14.703, 299.322
Yxy	79.4818, 0.2993, 0.3006
Android (android.graphics.Color)	4293518335 (0xFFE9E3FF)
YUV	231.9860, 11.3459, 0.8893
Hunter-Lab	89.1526, 2.4028, -7.9404

Details

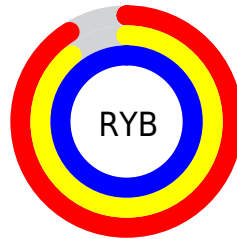
The XYZ color **79.1234, 79.4818, 105.7790** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.6938, 97.2066, 86.7649**, and the grayscale version is **76.6139, 80.6038, 87.7775**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0770, 42.9294, 59.4419** is the 20% darker color. If you saturate the color by 10%, you get **66.4850, 63.3701, 103.3353**, and if you desaturate by 10%, it is **93.5417, 98.0487, 108.6028**.

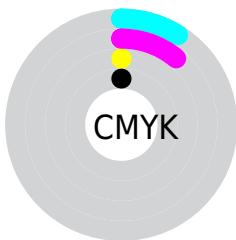
Distribution



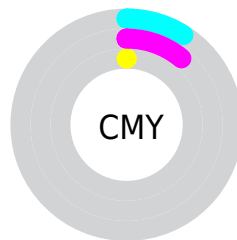
- Red (91%)
- Green (89%)
- Blue (100%)



- 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 79.1234, 79.4818, 105.7790 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 79.1234, 79.4818, 105.7790 by changing the saturation by 10% instead.

79.1234, 79.4818,
105.7790

79.1234, 79.4818,
105.7790

480.7553,
493.1847, 599.9702

59.3033, 59.2920,
80.4918

131.0896,
132.6369, 171.1973

43.1046, 42.8482,
59.5946

163.9663,
166.3711, 212.1656

30.1621, 29.7661,
42.6688

201.9260,
205.3888, 259.1979

20.1103, 19.6611,
29.2959

245.3339,
250.0744, 312.7129

12.5840, 12.1489,
19.0573

294.5554,
300.8125, 373.1291

7.2177, 6.8452,
11.5344

349.9560,

3.6462, 3.3655,

357.9873, 440.8650

6.3088

411.9008,
421.9832, 516.3392

■ 1.5040, 1.3254,
2.9620

■ 0.3285, 0.1607,
1.0752

■ 79.1234, 79.4818,
105.7790

■ 79.1234, 79.4818,
105.7790

■ 66.4850, 63.3701,
103.3353

■ 93.5417, 98.0487,
108.6028

■ 55.5502, 49.6007,
101.2538

■ 95.0500, 100.0000,
108.9000

■ 46.2464, 38.0660,
99.5178

■ 38.4934, 28.6465,
98.1083

■ 32.2036, 21.2112,
97.0046

■ 27.2806, 15.6143,
96.1837

■ 23.6157, 11.6891,
95.6193

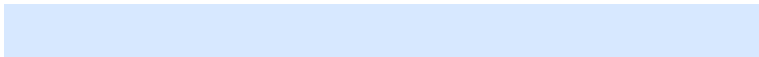
■ 21.0817, 9.2379,
95.2797

■ 19.6051, 8.0217,
95.1228

Harmonies

Analogous

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



75.4599, 79.4818, 108.8239



79.1234, 79.4818, 105.7790



81.9032, 79.4818, 97.4866

Triad

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



79.1234, 79.4818, 105.7790



79.2757, 79.4818, 70.0031



68.5769, 79.4818, 86.2984

Complementary

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



79.1234, 79.4818, 105.7790



88.6938, 97.2066, 86.7649

Split Complementary

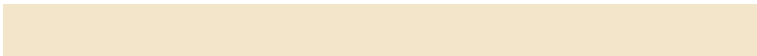
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5248, 79.4818, 76.4491



79.1234, 79.4818, 105.7790



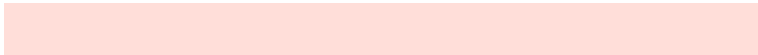
75.6303, 79.4818, 67.5306

Square

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



79.1234, 79.4818, 105.7790



81.9932, 79.4818, 76.8389



72.0763, 79.4818, 69.7915



69.4442, 79.4818, 97.0298

Rectangle

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



79.1234, 79.4818, 105.7790



82.8379, 79.4818, 90.4166



72.0763, 79.4818, 69.7915



68.6933, 79.4818, 82.7800

Sweetspot

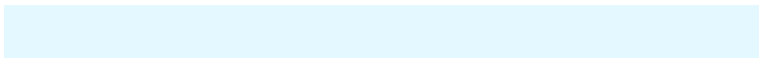
The Sweet Spot groups the original color and five complimentary colors.



79.1255, 79.4851, 105.7795



90.4808, 94.0935, 108.0007



83.7300, 91.5513, 107.8659



19.1112, 19.8103, 23.0664



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.



79.1255, 79.4851, 105.7795



76.4290, 76.0329, 105.2553



83.7379, 81.8628, 105.9954



17.3667, 17.5652, 22.7251



10.3448, 4.2434, 49.7084



1.0941, 0.4580, 4.8440

Inverse Universe

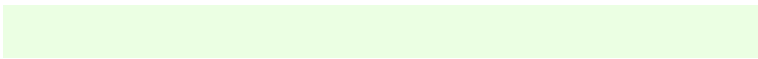
The Inverse Universe completely reimagines the original color for something new.



85.8099, 83.0408, 101.1308



84.2490, 80.1939, 99.7631



84.0202, 94.7973, 86.5462



18.6162, 18.2298, 21.8622



27.0764, 13.3199, 30.1166



2.6759, 1.3127, 3.1405

Previews

White Background



This preview shows how the XYZ color 79.1234, 79.4818, 105.7790 looks on a white background.

Color Contrast Check

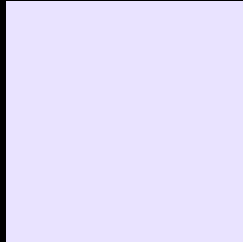
Large Text (above 18pt) WCAG AA × Fail

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 79.1234, 79.4818, 105.7790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

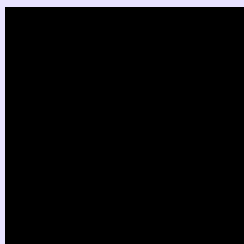
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.1234, 79.4818, 105.7790

Background



This preview shows how black text looks on a background with the XYZ color 79.1234, 79.4818, 105.7790.



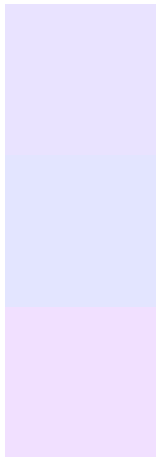
This preview shows how white text looks on a background with the XYZ color 79.1234, 79.4818,

105.7790.

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

79.1234, 79.4818, 105.7790

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

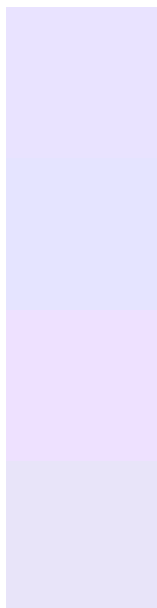
80.9813, 79.2321, 105.6329



Tritanopia

77.6567, 79.2964, 98.4016

Trichromacy



Original Color

79.1234, 79.4818, 105.7790

Protanomaly

78.1065, 79.3648, 105.8100

Deuteranomaly

80.2351, 79.2476, 105.6752

Tritanomaly

78.1210, 79.4822, 100.8467

Monochromacy



Original Color

79.1234, 79.4818, 105.7790

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 79.1234, 79.4818, 105.7790 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(233, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.1234, 79.4818, 105.7790 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(233, 227, 255) }
```


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

```
.border{ border-color:rgb(233, 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(233, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.1234, 79.4818, 105.7790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 255) }
```

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

```
.background{ background-color: rgb(233,  
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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