

Converting Colors

XYZ(83.9118, 81.3750,
128.6830)

Have a look what the booklet for
XYZ(83.9118, 81.3750, 128.6830)
contains.

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Color

**XYZ(79.4508, 79.6506,
105.7943)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE3FF
RGB	234, 227, 255
RGB Percent	92%, 89%, 100%
CMY	0.0823, 0.1098, 0.0000
CMYK	0.08, 0.11, 0.00, 0.00
HSL	255°, 100%, 95%
HSV	255°, 11%, 100%
XYZ	79.4508, 79.6506, 105.7943
YIQ	232.2850, -4.8160, 10.1920

Conversions

Conversions Part 2

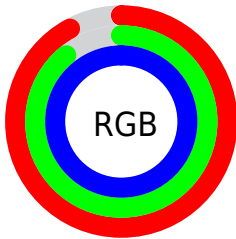
Format	Color
R_{YB}	234, 227, 255
Decimal	15393791
CIE Lab	91.53, 7.52, -12.70
CIE LCh	92, 14.758, 300.637
Yxy	79.6506, 0.2999, 0.3007
Android (android.graphics.Color)	4293583871 (0xFFEAE3FF)
YUV	232.2850, 11.1985, 1.5041
Hunter-Lab	89.2472, 2.7240, -7.8098

Details

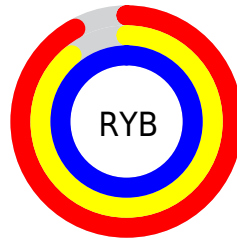
The XYZ color **79.4508, 79.6506, 105.7943** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.3384, 97.0234, 86.7483**, and the grayscale version is **76.8384, 80.8400, 88.0347**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.3057, 43.0472, 59.4526** is the 20% darker color. If you saturate the color by 10%, you get **67.0424, 63.6575, 103.3614**, and if you desaturate by 10%, it is **93.5742, 98.0655, 108.6044**.

Distribution



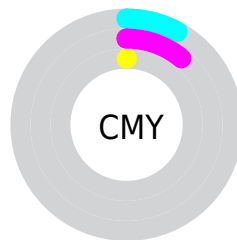
- Red (92%)
- Green (89%)
- Blue (100%)



- Red (92%)
- Yellow (89%)
- Blue (100%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.4508, 79.6506, 105.7943 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 79.4508, 79.6506, 105.7943 by changing the saturation by 10% instead.

79.4508, 79.6506,
105.7943

79.4508, 79.6506,
105.7943

481.8448,
493.7546, 600.0189

59.5734, 59.4309,
80.5046

131.5479,
132.8744, 171.2184

43.3230, 42.9601,
59.6051

164.4983,
166.6472, 212.1899

30.3343, 29.8538,
42.6772

202.5372,
205.7066, 259.2257

20.2418, 19.7276,
29.3024

246.0298,
250.4368, 312.7444

12.6802, 12.1972,
19.0621

295.3415,
301.2223, 373.1646

7.2842, 6.8781,
11.5379

350.8377,

3.6884, 3.3860,

358.4475, 440.9047

6.3112

412.8837,
422.4968, 516.3833

■ 1.5274, 1.3364,
2.9634

■ 0.3444, 0.1691,
1.0760

■ 79.4508, 79.6506,
105.7943

■ 79.4508, 79.6506,
105.7943

■ 67.0424, 63.6575,
103.3614

■ 93.5742, 98.0655,
108.6044

■ 56.2761, 49.9749,
101.2878

■ 95.0500, 100.0000,
108.9000

■ 47.0827, 38.4971,
99.5569

■ 39.3858, 29.1066,
98.1500

■ 33.1023, 21.6745,
97.0467

■ 28.1402, 16.0574,
96.2240

■ 24.3961, 12.0914,
95.6558

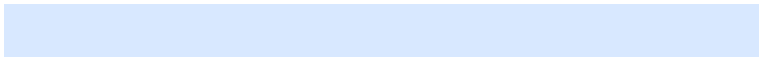
■ 21.7489, 9.5819,
95.3109

■ 20.1471, 8.3011,
95.1481

Harmonies

Analogous

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



75.7859, 79.6506, 109.1277



79.4508, 79.6506, 105.7943



82.1846, 79.6506, 97.2830

Triad

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



79.4508, 79.6506, 105.7943



79.3072, 79.6506, 69.8992



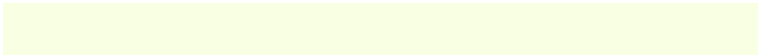
68.7021, 79.6506, 86.9563

Complementary

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



79.4508, 79.6506, 105.7943



88.3384, 97.0234, 86.7483

Split Complementary

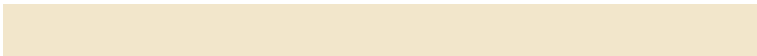
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5762, 79.6506, 76.9617



79.4508, 79.6506, 105.7943



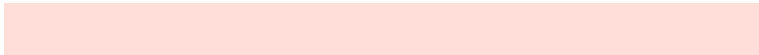
75.6252, 79.6506, 67.6211

Square

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



79.4508, 79.6506, 105.7943



82.0997, 79.6506, 76.5942



72.0798, 79.6506, 70.0987



69.6522, 79.6506, 97.7139

Rectangle

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



79.4508, 79.6506, 105.7943



83.0673, 79.6506, 90.1394



72.0798, 79.6506, 70.0987



68.7920, 79.6506, 83.3998

Sweetspot

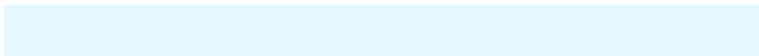
The Sweet Spot groups the original color and five complimentary colors.



79.4529, 79.6539, 105.7949



90.5783, 94.1437, 108.0053



83.4417, 90.9746, 107.7698



19.1374, 19.8238, 23.0677



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.



79.4529, 79.6539, 105.7949



76.8080, 76.2283, 105.2731



84.0672, 82.0326, 106.0108



17.4283, 17.5970, 22.7279



10.6410, 4.3961, 49.7223



1.1309, 0.4769, 4.8457

Inverse Universe

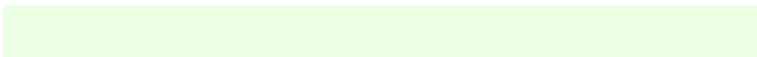
The Inverse Universe completely reimagines the original color for something new.



85.6543, 82.9786, 100.3115



84.0659, 80.1207, 98.7991



83.7123, 94.6385, 86.5318



18.5873, 18.2182, 21.7096



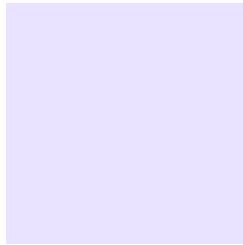
26.5409, 13.1056, 27.2964



2.6279, 1.2935, 2.8877

Previews

White Background



This preview shows how the XYZ color 79.4508, 79.6506, 105.7943 looks on a white background.

Color Contrast Check

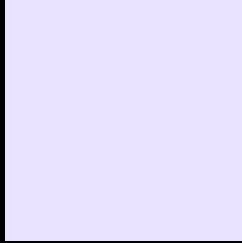
Large Text (above 18pt) WCAG AA × Fail

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 79.4508, 79.6506, 105.7943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

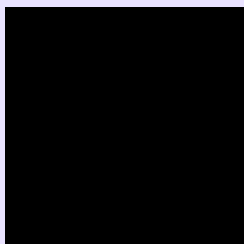
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.4508, 79.6506, 105.7943

Background



This preview shows how black text looks on a background with the XYZ color 79.4508, 79.6506, 105.7943.

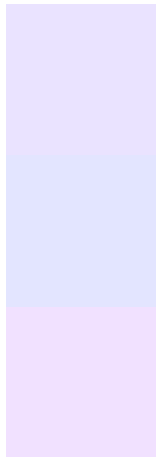


This preview shows how white text looks on a background with the XYZ color 79.4508, 79.6506,

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

79.4508, 79.6506, 105.7943

Protanopia

77.7479, 79.5895, 105.8723

Deuteranopia

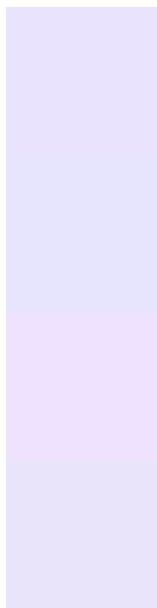
81.2508, 79.7712, 105.7227



Tritanopia

77.9822, 79.4643, 98.4168

Trichromacy



Original Color

79.4508, 79.6506, 105.7943

Protanomaly

78.4265, 79.5298, 105.8250

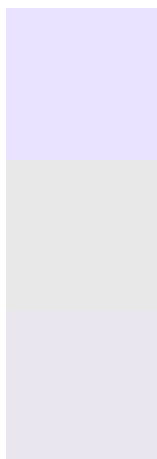
Deuteranomaly

80.5063, 79.7899, 105.7656

Tritanomaly

78.4466, 79.6500, 100.8619

Monochromacy



Original Color

79.4508, 79.6506, 105.7943

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.6293, 80.2085, 93.8284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.4508, 79.6506, 105.7943 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(234, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.4508, 79.6506, 105.7943 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(234, 227, 255) }
```


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

```
.border{ border-color:rgb(234, 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(234, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.4508, 79.6506, 105.7943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 255) }
```

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

```
.background{ background-color: rgb(234,  
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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