

Converting Colors

XYZ(87.0359, 83.5632,
144.9025)

Have a look what the booklet for
XYZ(87.0359, 83.5632, 144.9025)
contains.

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Color

**XYZ(79.6736, 80.5823,
105.9624)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E9E5FF |
| RGB | 233, 229, 255 |
| RGB Percent | 91%, 90%, 100% |
| CMY | 0.0863, 0.1019, 0.0000 |
| CMYK | 0.09, 0.10, 0.00, 0.00 |
| HSL | 249°, 100%, 95% |
| HSV | 249°, 10%, 100% |
| XYZ | 79.6736, 80.5823, 105.9624 |
| YIQ | 233.1600, -5.9620, 8.9340 |

Conversions

Conversions Part 2

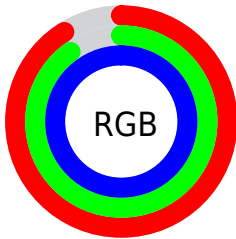
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 233, 229, 255 |
| Decimal | 15328767 |
| CIE _{Lab} | 91.95, 6.16, -12.08 |
| CIE _{LCh} | 92, 13.562, 297.014 |
| Yxy | 80.5823, 0.2993, 0.3027 |
| Android (android.graphics.Color) | 4293518847 (0xFFE9E5FF) |
| YUV | 233.1600, 10.7671, -0.1403 |
| Hunter-Lab | 89.7676, 1.3349, -7.1490 |

Details

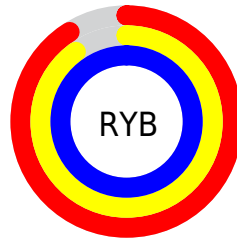
The XYZ color **79.6736, 80.5823, 105.9624** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.6885, 97.6873, 88.2611**, and the grayscale version is **77.4992, 81.5352, 88.7918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4606, 43.6964, 59.5697** is the 20% darker color. If you saturate the color by 10%, you get **66.5107, 64.0824, 103.4714**, and if you desaturate by 10%, it is **94.7386, 99.6055, 108.8403**.

Distribution



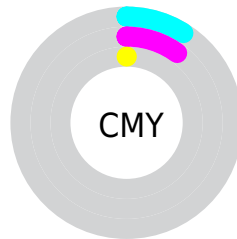
- Red (91%)
- Green (90%)
- Blue (100%)



- Red (91%)
- Yellow (90%)
- Blue (100%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6736, 80.5823, 105.9624 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 79.6736, 80.5823, 105.9624 by changing the saturation by 10% instead.

79.6736, 80.5823,
105.9624

79.6736, 80.5823,
105.9624

482.5855,
496.8931, 600.5534

59.7573, 60.1976,
80.6447

131.8597,
134.1841, 171.4501

43.4718, 43.5780,
59.7197

164.8602,
168.1700, 212.4572

30.4516, 30.3389,
42.7690

202.9528,
207.4585, 259.5312

20.3314, 20.0959,
29.3738

246.5030,
252.4340, 313.0906

12.7458, 12.4648,
19.1158

295.8759,
303.4807, 373.5540

7.3295, 7.0611,
11.5763

351.4371,

3.7172, 3.5003,

360.9833, 441.3399

6.3369

413.5518,
425.3259, 516.8668

■ 1.5434, 1.3982,
2.9789

■ 0.3551, 0.2154,
1.0839

■ 79.6736, 80.5823,
105.9624

■ 79.6736, 80.5823,
105.9624

■ 66.5107, 64.0824,
103.4714

94.7386, 99.6055,
108.8403

■ 55.1676, 49.9899,
101.3491

95.0500, 100.0000,
108.9000

■ 45.5652, 38.1947,
99.5785

■ 37.6162, 28.5741,
98.1405

■ 31.2257, 20.9937,
97.0142

■ 26.2888, 15.3044,
96.1762

■ 22.6874, 11.3361,
95.6001

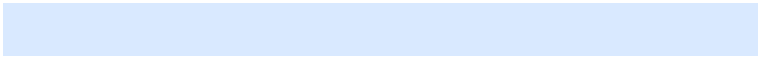
■ 20.2835, 8.8876,
95.2542

■ 18.8945, 7.6554,
95.0895

Harmonies

Analogous

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



76.2427, 80.5823, 108.3235



79.6736, 80.5823, 105.9624



82.3475, 80.5823, 98.6032

Triad

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



79.6736, 80.5823, 105.9624



80.2956, 80.5823, 72.6145



70.0954, 80.5823, 86.7450

Complementary

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



79.6736, 80.5823, 105.9624



89.6885, 97.6873, 88.2611

Split Complementary

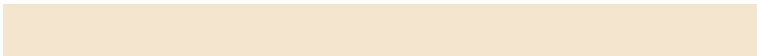
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.1094, 80.5823, 77.7063



79.6736, 80.5823, 105.9624



76.9405, 80.5823, 69.9453

Square

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



79.6736, 80.5823, 105.9624



82.7142, 80.5823, 79.3133



73.5891, 80.5823, 71.7373



70.7778, 80.5823, 96.7443

Rectangle

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



79.6736, 80.5823, 105.9624



83.3045, 80.5823, 92.1217



73.5891, 80.5823, 71.7373



70.2484, 80.5823, 83.5003

Sweetspot

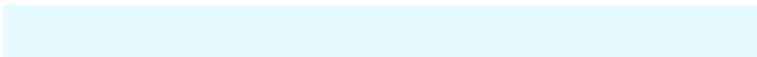
The Sweet Spot groups the original color and five complimentary colors.



79.6758, 80.5856, 105.9630



90.3161, 94.0086, 107.9930



84.8935, 92.9363, 108.0719



19.0669, 19.7874, 23.0644



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.



79.6758, 80.5856, 105.9630



77.1598, 77.4218, 105.4849



84.0424, 82.8367, 106.1673



17.2630, 17.5118, 22.7202



9.9497, 4.0398, 49.6899



1.0410, 0.4306, 4.8415

Inverse Universe

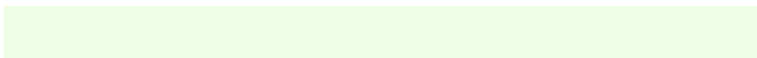
The Inverse Universe completely reimagines the original color for something new.



86.6739, 84.2669, 102.9665



85.3050, 81.7072, 101.9604



85.1983, 95.3725, 88.0510



18.6656, 18.2495, 22.1220



28.0566, 13.7119, 35.2783



2.7628, 1.3475, 3.5982

Previews

White Background



This preview shows how the XYZ color 79.6736, 80.5823, 105.9624 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 79.6736, 80.5823, 105.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

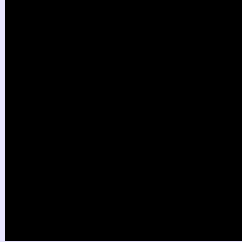
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.6736, 80.5823, 105.9624

Background



This preview shows how black text looks on a background with the XYZ color 79.6736, 80.5823, 105.9624.



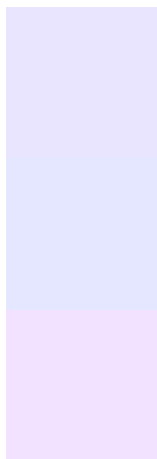
This preview shows how white text looks on a background with the XYZ color 79.6736, 80.5823,

105.9624.

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

79.6736, 80.5823, 105.9624

Protanopia

78.6599, 80.4716, 105.9945

Deuteranopia

82.2085, 80.6674, 105.8453



Tritanopia

78.5188, 80.5267, 100.2118

Trichromacy



Original Color

79.6736, 80.5823, 105.9624

Protanomaly

78.9799, 80.6366, 106.0095

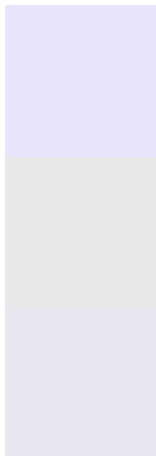
Deuteranomaly

81.1157, 80.5089, 105.8723

Tritanomaly

78.9881, 80.7145, 102.6831

Monochromacy



Original Color

79.6736, 80.5823, 105.9624

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

78.3381, 81.3877, 94.7996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6736, 80.5823, 105.9624 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.6736, 80.5823, 105.9624 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, 229, 255) }
```


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

```
.border{ border-color:rgb(233, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6736, 80.5823, 105.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 255) }
```

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

```
.background{ background-color: rgb(233,  
229, 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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