

# Converting Colors

XYZ(85.1770, 83.5393,  
134.8471)

Have a look what the booklet for  
XYZ(85.1770, 83.5393, 134.8471)  
contains.

|  |    |
|--|----|
| <b>XYZ(79.9046, 81.5276, 106.1327)</b> .....   | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# **Color**

**XYZ(79.9046, 81.5276,  
106.1327)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | E8E7FF                     |
| RGB         | 232, 231, 255              |
| RGB Percent | 91%, 91%, 100%             |
| CMY         | 0.0902, 0.0941, 0.0000     |
| CMYK        | 0.09, 0.09, 0.00, 0.00     |
| HSL         | 242°, 100%, 95%            |
| HSV         | 242°, 9%, 100%             |
| XYZ         | 79.9046, 81.5276, 106.1327 |
| YIQ         | 234.0350, -7.1080, 7.6760  |

# Conversions

## Conversions Part 2

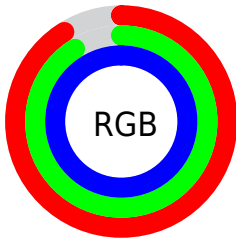
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 232, 231, 255                 |
| Decimal                             | 15263743                      |
| CIE Lab                             | 92.37, 4.80, -11.46           |
| CIE LCh                             | 92, 12.429, 292.732           |
| Yxy                                 | 81.5276, 0.2986,<br>0.3047    |
| Android<br>(android.graphics.Color) | 4293453823<br>(0xFFE8E7FF)    |
| YUV                                 | 234.0350, 10.3357,<br>-1.7847 |
| Hunter-Lab                          | 90.2926, -0.0483,<br>-6.4864  |

# Details

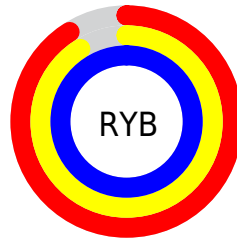
The XYZ color **79.9046, 81.5276, 106.1327** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.0588, 98.3613, 89.7915**, and the grayscale version is **78.1632, 82.2338, 89.5526**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4275, 43.9673, 59.6237** is the 20% darker color. If you saturate the color by 10%, you get **65.8917, 64.4712, 103.5791**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

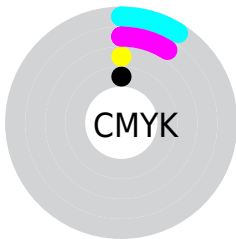
# Distribution



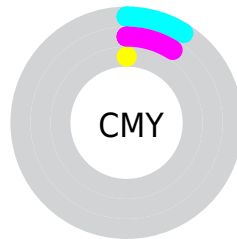
- Red (91%)
- Green (91%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9046, 81.5276, 106.1327 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 79.9046, 81.5276, 106.1327 by changing the saturation by 10% instead.



79.9046, 81.5276,  
106.1327

79.9046, 81.5276,  
106.1327

483.3527,  
500.0662, 601.0946

59.9480, 60.9762,  
80.7867

132.1828,  
135.5113, 171.6848

43.6261, 44.2060,  
59.8360

165.2352,  
169.7125, 212.7280

30.5733, 30.8325,  
42.8620

203.3836,  
209.2323, 259.8406

20.4244, 20.4713,  
29.4462

246.9933,  
254.4553, 313.4412

12.8139, 12.7381,  
19.1702

296.4297,  
305.7658, 373.9484

7.3767, 7.2485,  
11.6153

352.0582,

3.7472, 3.6180,

363.5482, 441.7807

6.3629

414.2441,  
428.1868, 517.3566

■ 1.5601, 1.4622,  
2.9947

■ 0.3662, 0.2619,  
1.0919

■ 79.9046, 81.5276,  
106.1327

■ 79.9046, 81.5276,  
106.1327

■ 65.8917, 64.4712,  
103.5791

95.0500, 100.0000,  
108.9000

■ 53.9295, 49.9467,  
101.4060

■ 43.9239, 37.8366,  
99.5959

■ 35.7707, 28.0099,  
98.1289

■ 29.3560, 20.3234,  
96.9833

■ 24.5537, 14.6176,  
96.1351

■ 21.2200, 10.7108,  
95.5567

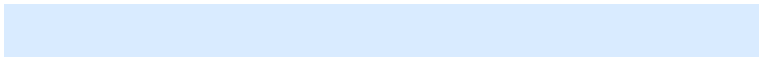
■ 19.1864, 8.3878,  
95.2155

■ 18.2185, 7.3311,  
95.0626

# Harmonies

## Analogous

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



76.7096, 81.5276, 107.5287



79.9046, 81.5276, 106.1327



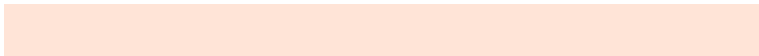
82.5174, 81.5276, 99.9355

# Triad

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



79.9046, 81.5276, 106.1327



81.2961, 81.5276, 75.4042



71.5138, 81.5276, 86.5473

# Complementary

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



79.9046, 81.5276, 106.1327



91.0588, 98.3613, 89.7915

# Split Complementary

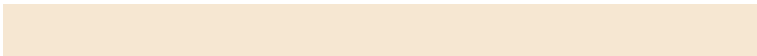
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6702, 81.5276, 78.4682



79.9046, 81.5276, 106.1327



78.2747, 81.5276, 72.3301

# Square

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



79.9046, 81.5276, 106.1327



83.3361, 81.5276, 82.0983



75.1236, 81.5276, 73.4118



71.9230, 81.5276, 95.7931



# Rectangle

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



79.9046, 81.5276, 106.1327



83.5480, 81.5276, 94.1331



75.1236, 81.5276, 73.4118



71.7312, 81.5276, 83.6140

# Sweetspot

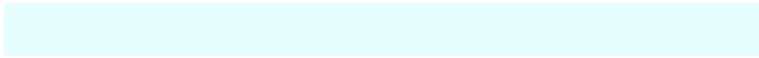
The Sweet Spot groups the original color and five complimentary colors.



79.9068, 81.5309, 106.1332



90.0116, 93.8516, 107.9788



86.5121, 95.2205, 108.4275



18.9852, 19.7453, 23.0605



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.



79.9068, 81.5309, 106.1332



77.5369, 78.6437, 105.7009



83.8671, 83.5726, 106.3186



17.0728, 17.4137, 22.7113



9.5310, 3.8239, 49.6703



0.9515, 0.3844, 4.8373



# Inverse Universe

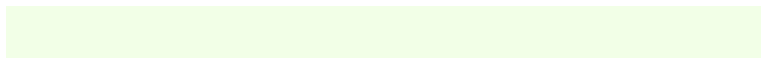
The Inverse Universe completely reimagines the original color for something new.



87.7073, 85.5708, 105.6628



86.5583, 83.3160, 105.1467



86.8722, 96.2030, 89.5956



18.7582, 18.2866, 22.6095



30.1278, 14.5404, 46.1851



2.9432, 1.4196, 4.5482



# Previews

## White Background



This preview shows how the XYZ color 79.9046, 81.5276, 106.1327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

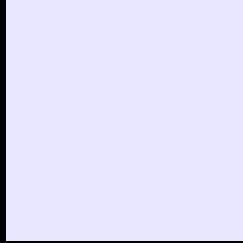
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9046, 81.5276, 106.1327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

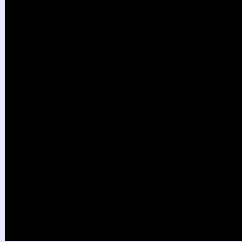
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.9046, 81.5276, 106.1327

## Background



This preview shows how black text looks on a background with the XYZ color 79.9046, 81.5276, 106.1327.



This preview shows how white text looks on a background with the XYZ color 79.9046, 81.5276,



# 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

79.9046, 81.5276, 106.1327

### Protanopia

79.5809, 81.3608, 106.1176

### Deuteranopia

83.1753, 81.5706, 105.9686



## **Tritanopia**

79.0669, 81.6043, 102.0264

# Trichromacy



## Original Color

79.9046, 81.5276, 106.1327

## Protanomaly

79.5809, 81.3608, 106.1176

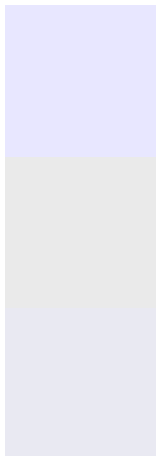
## Deuteranomaly

81.7286, 81.2321, 105.9795

## Tritanomaly

79.3823, 81.7304, 103.6871

# Monochromacy



## Original Color

79.9046, 81.5276, 106.1327

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.7702, 82.0123, 95.6827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9046, 81.5276, 106.1327 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9046, 81.5276, 106.1327 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, 231, 255) }
```



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

```
.border{ border-color:rgb(232, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9046, 81.5276, 106.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 231, 255) }
```

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

```
.background{ background-color: rgb(232,  
231, 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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