

Converting Colors

XYZ(78.9120, 81.4472,
106.1695)

Have a look what the booklet for
XYZ(78.9120, 81.4472, 106.1695)
contains.

| | |
|--|----|
| XYZ(78.9015, 81.4272, 106.1662) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(78.9015, 81.4272,
106.1662)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E4E8FF |
| RGB | 228, 232, 255 |
| RGB Percent | 89%, 91%, 100% |
| CMY | 0.1059, 0.0902, 0.0000 |
| CMYK | 0.11, 0.09, 0.00, 0.00 |
| HSL | 231°, 100%, 95% |
| HSV | 231°, 11%, 100% |
| XYZ | 78.9015, 81.4272, 106.1662 |
| YIQ | 233.4260, -9.7670, 6.3050 |

Conversions

Conversions Part 2

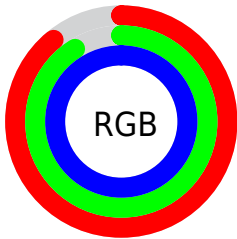
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 228, 231, 255 |
| Decimal | 15001855 |
| CIE Lab | 92.32, 3.01, -11.56 |
| CIE LCh | 92, 11.947, 284.601 |
| Yxy | 81.4272, 0.2961, 0.3055 |
| Android (android.graphics.Color) | 4293191935 (0xFFE4E8FF) |
| YUV | 233.4260, 10.6360, -4.7586 |
| Hunter-Lab | 90.2370, -1.8379, -6.5903 |

Details

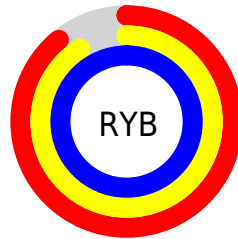
The XYZ color **78.9015, 81.4272, 106.1662** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.7401, 95.8539, 87.1722**, and the grayscale version is **77.7025, 81.7491, 89.0248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7316, 43.8985, 59.6471** is the 20% darker color. If you saturate the color by 10%, you get **65.6606, 66.0814, 103.9020**, and if you desaturate by 10%, it is **94.0954, 98.9057, 108.7391**.

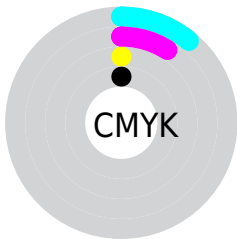
Distribution



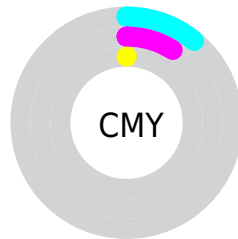
- Red (89%)
- Green (91%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9015, 81.4272, 106.1662 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 78.9015, 81.4272, 106.1662 by changing the saturation by 10% instead.

■ 78.9015, 81.4272,
106.1662

■ 78.9015, 81.4272,
106.1662

480.0162,
499.7297, 601.2010

■ 59.1202, 60.8935,
80.8146

130.7788,
135.3704, 171.7310

■ 42.9566, 44.1392,
59.8588

163.6056,
169.5488, 212.7812

■ 30.0454, 30.7800,
42.8803

201.5115,
209.0441, 259.9015

■ 20.0213, 20.4314,
29.4605

244.8619,
254.2409, 313.5102

■ 12.5189, 12.7090,
19.1809

294.0223,
305.5234, 374.0260

■ 7.1728, 7.2285,
11.6229

349.3578,

■ 3.6177, 3.6054,

363.2761, 441.8674

6.3681

411.2340,
427.8834, 517.4529

■ 1.4882, 1.4554,
2.9978

■ 0.3178, 0.2570,
1.0935

■ 78.9015, 81.4272,
106.1662

■ 78.9015, 81.4272,
106.1662

■ 65.6606, 66.0814,
103.9020

94.0954, 98.9057,
108.7391

■ 54.2866, 52.7767,
101.9335

95.0500, 100.0000,
108.9000

■ 44.6969, 41.4294,
100.2486

■ 36.7997, 31.9462,
98.8344

■ 30.4952, 24.2261,
97.6766

■ 25.6729, 18.1582,
96.7595

■ 22.2076, 13.6188,
96.0660

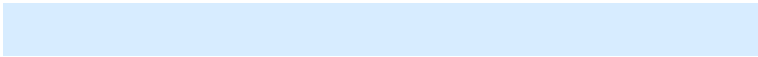
■ 19.9526, 10.4660,
95.5763

■ 18.7371, 8.5941,
95.2790

Harmonies

Analogous

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



75.8272, 81.4272, 106.0971



78.9015, 81.4272, 106.1662



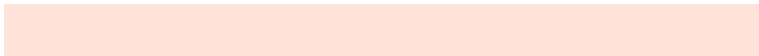
81.6412, 81.4272, 101.3354

Triad

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



78.9015, 81.4272, 106.1662



81.7018, 81.4272, 77.2416



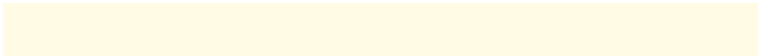
71.8064, 81.4272, 84.2186

Complementary

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



78.9015, 81.4272, 106.1662



89.7401, 95.8539, 87.1722

Split Complementary

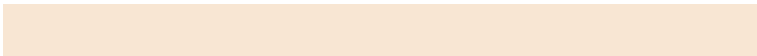
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2969, 81.4272, 77.0889



78.9015, 81.4272, 106.1662



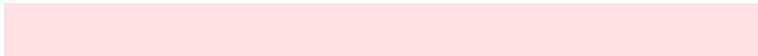
78.9824, 81.4272, 73.2471

Square

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



78.9015, 81.4272, 106.1662



83.2869, 81.4272, 84.4399



75.9060, 81.4272, 73.1931



71.7860, 81.4272, 93.0192

Rectangle

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



78.9015, 81.4272, 106.1662



82.8860, 81.4272, 96.1605



75.9060, 81.4272, 73.1931



72.1503, 81.4272, 81.5608

Sweetspot

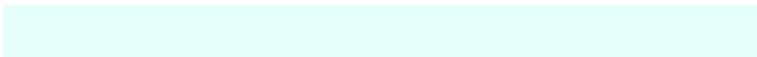
The Sweet Spot groups the original color and five complimentary colors.



78.9037, 81.4305, 106.1667



90.2478, 94.4909, 108.0897



85.1603, 94.9762, 105.0695



19.0486, 19.9169, 23.0903



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.



78.9037, 81.4305, 106.1667



75.5332, 77.5358, 105.5926



80.8699, 80.7903, 105.9395



17.2203, 17.8123, 22.7805



9.8553, 4.6202, 49.8069



1.0209, 0.5725, 4.8700

Inverse Universe

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



83.5502, 82.5745, 87.8828



81.1542, 78.9560, 83.4661



87.6125, 96.6332, 87.4347



18.1191, 18.0310, 19.2444



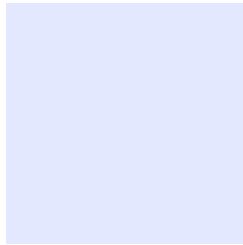
21.7627, 11.1944, 2.1349



2.1499, 1.1023, 0.3709

Previews

White Background



This preview shows how the XYZ color 78.9015, 81.4272, 106.1662 looks on a white background.

Color Contrast Check

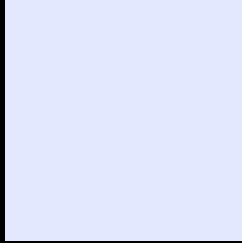
Large Text (above 18pt) WCAG AA × Fail

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 78.9015, 81.4272, 106.1662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

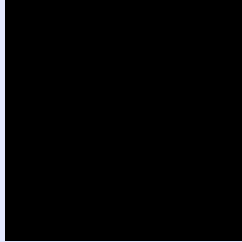
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.9015, 81.4272, 106.1662

Background



This preview shows how black text looks on a background with the XYZ color 78.9015, 81.4272, 106.1662.



This preview shows how white text looks on a background with the XYZ color 78.9015, 81.4272,

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

78.9015, 81.4272, 106.1662

Protanopia

79.5809, 81.3608, 106.1176

Deuteranopia

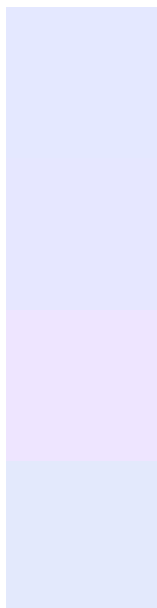
82.8273, 81.3913, 105.9524



Tritanopia

78.2301, 81.5738, 102.8889

Trichromacy



Original Color

78.9015, 81.4272, 106.1662

Protanomaly

79.2590, 81.1948, 106.1025

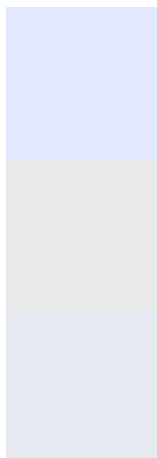
Deuteranomaly

81.3292, 81.4358, 106.0399

Tritanomaly

78.3882, 81.6370, 103.7215

Monochromacy



Original Color

78.9015, 81.4272, 106.1662

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.9711, 81.6176, 94.8633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9015, 81.4272, 106.1662 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(228, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 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(228, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.9015, 81.4272, 106.1662 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(228, 232, 255) }
```


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

```
.border{ border-color:rgb(228, 232, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(228, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9015, 81.4272, 106.1662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 255) }
```

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

```
.background{ background-color: rgb(228,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor