

Converting Colors

XYZ(78.8610, 83.0241,
106.4766)

Have a look what the booklet for
XYZ(78.8610, 83.0241, 106.4766)
contains.

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Color

**XYZ(78.7859, 83.0582,
106.4871)**

Conversions

Conversions Part 1

Format	Color
Hex	E0ECFF
RGB	224, 236, 255
RGB Percent	88%, 93%, 100%
CMY	0.1216, 0.0745, 0.0000
CMYK	0.12, 0.07, 0.00, 0.00
HSL	217°, 100%, 94%
HSV	217°, 12%, 100%
XYZ	78.7859, 83.0582, 106.4871
YIQ	234.5780, -13.2510, 3.3650

Conversions

Conversions Part 2

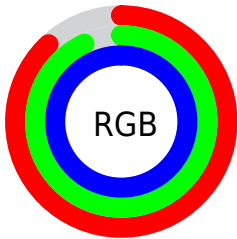
Format	Color
RYB	224, 233, 255
Decimal	14740735
CIELab	93.04, -0.31, -10.52
CIElCh	93, 10.527, 268.287
Yxy	83.0582, 0.2936, 0.3095
Android (android.graphics.Color)	4292930815 (0xFFE0ECFF)
YUV	234.5780, 10.0680, -9.2769
Hunter-Lab	91.1363, -5.1780, -5.4813

Details

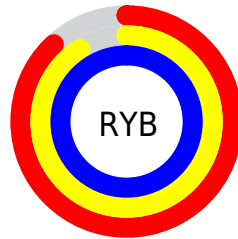
The XYZ color **78.7859, 83.0582, 106.4871** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7445, 90.7413, 83.4654**, and the grayscale version is **78.5800, 82.6722, 90.0301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8765, 45.1547, 59.8820** is the 20% darker color. If you saturate the color by 10%, you get **67.1642, 70.6799, 104.7104**, and if you desaturate by 10%, it is **91.9908, 96.8414, 108.4516**.

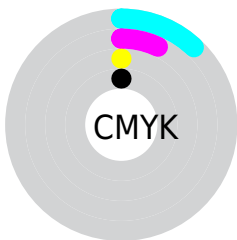
Distribution



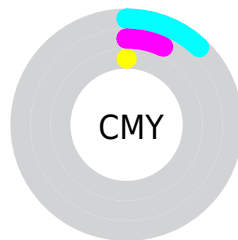
- Red (88%)
- Green (93%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- Blue (100%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7859, 83.0582, 106.4871 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 78.7859, 83.0582, 106.4871 by changing the saturation by 10% instead.

■ 78.7859, 83.0582,
106.4871

■ 78.7859, 83.0582,
106.4871

479.6308,
505.1805, 602.2201

■ 59.0248, 62.2382,
81.0822

130.6169,
137.6570, 172.1731

■ 42.8795, 45.2252,
60.0779

163.4176,
172.2045, 213.2912

■ 29.9847, 31.6348,
43.0557

201.2955,
212.0966, 260.4842

■ 19.9750, 21.0827,
29.5971

244.6159,
257.7178, 314.1705

■ 12.4850, 13.1845,
19.2835

293.7444,
309.4524, 374.7687

■ 7.1495, 7.5557,
11.6964

349.0461,

■ 3.6029, 3.8120,

367.6847, 442.6974

6.4173

410.8864,
432.7993, 518.3750

■ 1.4800, 1.5690,
3.0276

■ 0.3122, 0.3365,
1.1087

■ 78.7859, 83.0582,
106.4871

■ 78.7859, 83.0582,
106.4871

■ 67.1642, 70.6799,
104.7104

■ 91.9908, 96.8414,
108.4516

■ 57.0565, 59.6493,
103.1140

95.0500, 100.0000,
108.9000

■ 48.3980, 49.9198,
101.6924

■ 41.1164, 41.4378,
100.4390

■ 35.1326, 34.1456,
99.3468

■ 30.3590, 27.9803,
98.4084

■ 26.6954, 22.8713,
97.6153

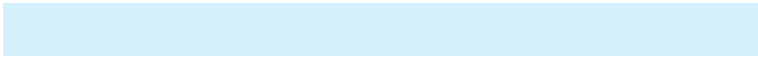
■ 24.0228, 18.7374,
96.9583

■ 22.4874, 16.0949,
96.5291

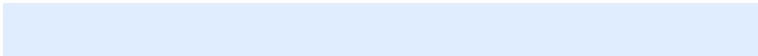
Harmonies

Analogous

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



76.1886, 83.0582, 103.9853



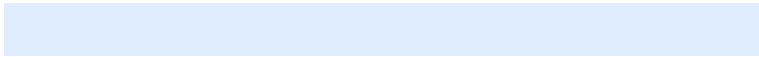
78.7859, 83.0582, 106.4871



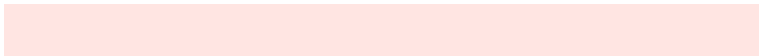
81.4849, 83.0582, 104.4844

Triad

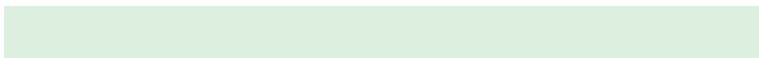
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7859, 83.0582, 106.4871



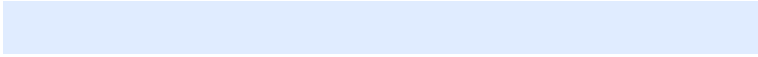
83.7082, 83.0582, 83.4263



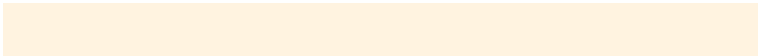
74.5172, 83.0582, 82.6833

Complementary

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



78.7859, 83.0582, 106.4871



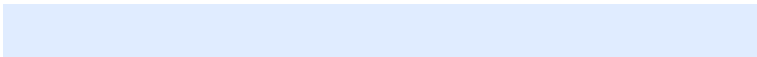
86.7445, 90.7413, 83.4654

Split Complementary

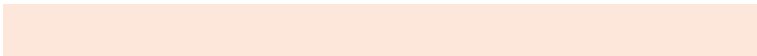
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4571, 83.0582, 77.7074



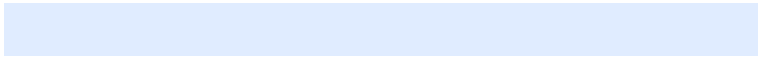
78.7859, 83.0582, 106.4871



81.7657, 83.0582, 78.1184

Square

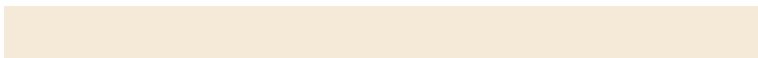
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7859, 83.0582, 106.4871



84.3661, 83.0582, 90.8910



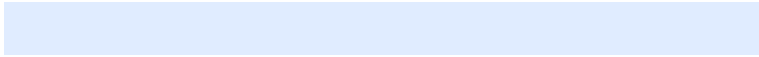
79.1030, 83.0582, 76.0852



73.7600, 83.0582, 89.9830

Rectangle

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



78.7859, 83.0582, 106.4871



82.9707, 83.0582, 100.9262



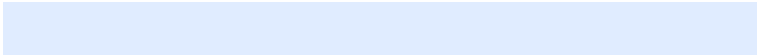
79.1030, 83.0582, 76.0852



75.0504, 83.0582, 80.6996

Sweetspot

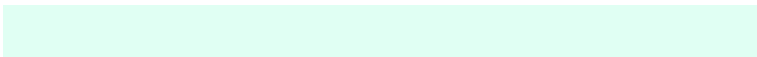
The Sweet Spot groups the original color and five complimentary colors.



78.7881, 83.0616, 106.4876



89.4348, 94.1932, 108.0751



82.6186, 93.8146, 98.2319



18.9229, 19.9330, 23.1001



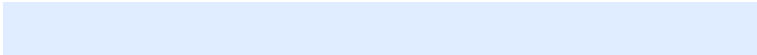
0.0000, 0.0000, 0.0000



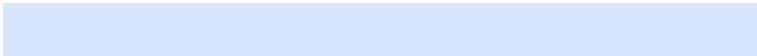
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7881, 83.0616, 106.4876



75.3243, 79.4000, 105.9635



76.4170, 76.8800, 105.4195



17.5797, 18.5311, 22.9003



11.8841, 8.6777, 50.4832



1.2593, 1.0492, 4.9494

Inverse Universe

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



83.0373, 80.6289, 90.5473



80.4917, 76.5582, 86.5525



89.3236, 97.5788, 84.6493



18.3005, 18.1035, 20.1997



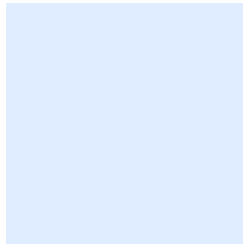
22.7867, 11.6040, 7.5273



2.2702, 1.1505, 1.0044

Previews

White Background



This preview shows how the XYZ color 78.7859, 83.0582, 106.4871 looks on a white background.

Color Contrast Check

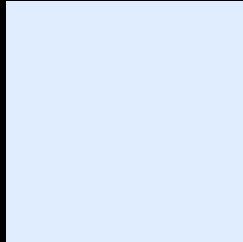
Large Text (above 18pt) WCAG AA × Fail

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 78.7859, 83.0582, 106.4871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

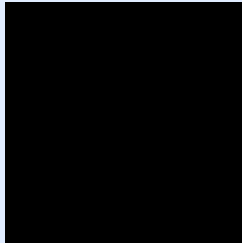
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

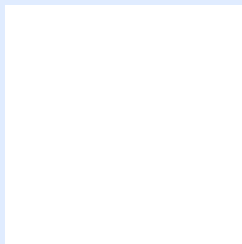
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7859, 83.0582, 106.4871

Background



This preview shows how black text looks on a background with the XYZ color 78.7859, 83.0582, 106.4871.



This preview shows how white text looks on a background with the XYZ color 78.7859, 83.0582,

106.4871.

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





Tritanopia

78.7859, 83.0582, 106.4871

Trichromacy



Original Color

78.7859, 83.0582, 106.4871

Protanomaly

79.9453, 82.8244, 105.5391

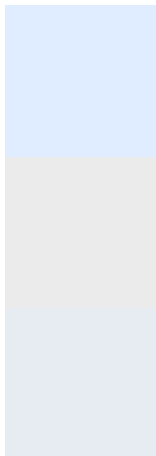
Deuteranomaly

82.5032, 83.2839, 106.3348

Tritanomaly

78.7859, 83.0582, 106.4871

Monochromacy



Original Color

78.7859, 83.0582, 106.4871

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6903, 82.8164, 95.8421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7859, 83.0582, 106.4871 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(224, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 236, 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(224, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.7859, 83.0582, 106.4871 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(224, 236, 255) }
```


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

```
.border{ border-color:rgb(224, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7859, 83.0582, 106.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 236, 255) }
```

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

```
.background{ background-color: rgb(224,  
236, 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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