

Converting Colors

XYZ(78.6451, 81.5246, 98.9738)

Have a look what the booklet for
XYZ(78.6451, 81.5246, 98.9738)
contains.

XYZ(78.4462, 81.3560, 98.7575)	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(78.4462, 81.3560,
98.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	E7E8F6
RGB	231, 232, 246
RGB Percent	91%, 91%, 96%
CMY	0.0941, 0.0902, 0.0353
CMYK	0.06, 0.06, 0.00, 0.04
HSL	236°, 45%, 94%
HSV	236°, 6%, 96%
XYZ	78.4462, 81.3560, 98.7575
YIQ	233.2970, -5.0900, 4.1420

Conversions

Conversions Part 2

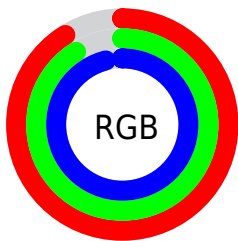
Format	Color
R_{YB}	231, 232, 246
Decimal	15198454
CIE Lab	92.29, 2.24, -6.89
CIE LCh	92, 7.247, 288.025
Yxy	81.3560, 0.3034, 0.3147
Android (android.graphics.Color)	4293388534 (0xFFE7E8F6)
YUV	233.2970, 6.2626, -2.0145
Hunter-Lab	90.1976, -2.6015, -1.7785

Details

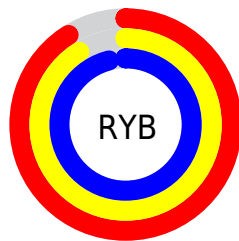
The XYZ color **78.4462, 81.3560, 98.7575** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0825, 90.6664, 88.6188**, and the grayscale version is **77.6349, 81.6779, 88.9473**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4988, 43.8823, 54.9454** is the 20% darker color. If you saturate the color by 10%, you get **65.0131, 65.4593, 96.3984**, and if you desaturate by 10%, it is **93.6220, 99.4083, 101.4433**.

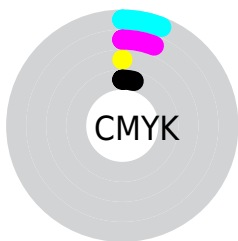
Distribution



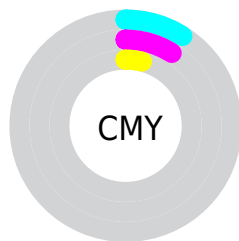
- Red (91%)
- Green (91%)
- Blue (96%)



- Red (91%)
- Yellow (91%)
- Blue (96%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4462, 81.3560, 98.7575 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 78.4462, 81.3560, 98.7575 by changing the saturation by 10% instead.

■ 78.4462, 81.3560,
98.7575

■ 78.4462, 81.3560,
98.7575

478.4975,
499.4910, 577.4143

■ 58.7446, 60.8348,
74.6522

130.1410,
135.2705, 161.4856

■ 42.6532, 44.0919,
54.8280

162.8649,
169.4327, 200.9455

■ 29.8064, 30.7428,
38.8663

200.6603,
208.9106, 246.3606

■ 19.8390, 20.4030,
26.3487

243.8926,
254.0888, 298.1496

■ 12.3857, 12.6884,
16.8566

292.9271,
305.3515, 356.7309

■ 7.0810, 7.2143,
9.9714

348.1292,

■ 3.5596, 3.5965,

363.0831, 422.5231

5.2747

409.8642,
427.6682, 495.9447

■ 1.4561, 1.4505,
2.3478

■ 0.2957, 0.2535,
0.7578

■ 78.4462, 81.3560,
98.7575

■ 78.4462, 81.3560,
98.7575

■ 65.0131, 65.4593,
96.3984

■ 93.6220, 99.4083,
101.4433

■ 53.4586, 51.7334,
94.3580

■ 93.6348, 99.4339,
101.4476

■ 43.7012, 40.0872,
92.6243

■ 35.6504, 30.4191,
91.1825

■ 29.2078, 22.6191,
90.0165

■ 24.2651, 16.5663,
89.1087

■ 20.7006, 12.1255,
88.4394

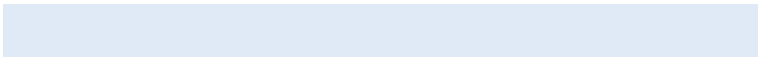
■ 18.3733, 9.1417,
87.9862

■ 17.1115, 7.4290,
87.7221

Harmonies

Analogous

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



76.5816, 81.3560, 99.0607



78.4462, 81.3560, 98.7575



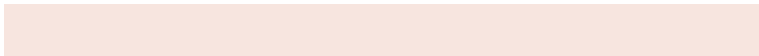
80.0349, 81.3560, 95.6618

Triad

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



78.4462, 81.3560, 98.7575



79.7602, 81.3560, 81.1339



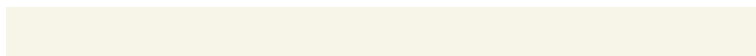
73.8566, 81.3560, 86.4599

Complementary

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



78.4462, 81.3560, 98.7575



85.0825, 90.6664, 88.6188

Split Complementary

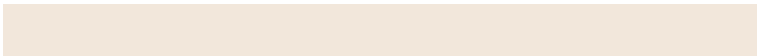
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6798, 81.3560, 81.8620



78.4462, 81.3560, 98.7575



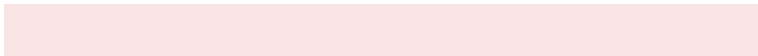
78.0761, 81.3560, 78.8712

Square

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



78.4462, 81.3560, 98.7575



80.8020, 81.3560, 85.4295



76.2174, 81.3560, 79.1322



73.9520, 81.3560, 91.8129

Rectangle

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



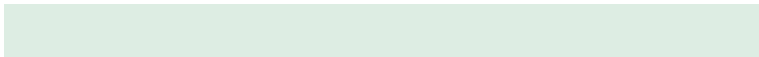
78.4462, 81.3560, 98.7575



80.7146, 81.3560, 92.4989



76.2174, 81.3560, 79.1322



74.0345, 81.3560, 84.7789

Sweetspot

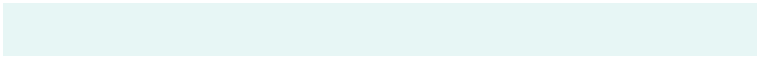
The Sweet Spot groups the original color and five complimentary colors.



78.4486, 81.3595, 98.7593



91.6991, 96.0467, 108.3136



82.3554, 89.4791, 99.1181



19.6625, 20.5994, 23.1897



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.



78.4486, 81.3595, 98.7593



83.7000, 86.6000, 106.9118



80.2204, 81.8548, 98.7615



16.2319, 16.7689, 20.9238



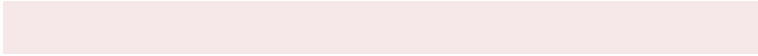
9.0159, 3.8256, 46.8013



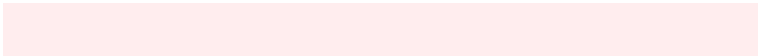
0.8230, 0.3973, 4.1236

Inverse Universe

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



81.1493, 82.5726, 88.0090



87.0509, 88.1086, 93.5728



83.2313, 90.1640, 88.6194



16.9398, 17.0880, 18.1060



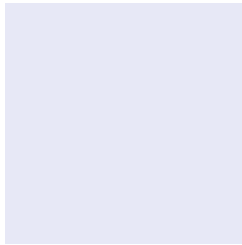
20.3553, 10.4856, 1.3136



1.8045, 0.9277, 0.1966

Previews

White Background



This preview shows how the XYZ color 78.4462, 81.3560, 98.7575 looks on a white background.

Color Contrast Check

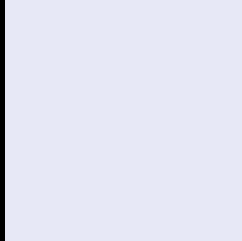
Large Text (above 18pt) WCAG AA × Fail

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 78.4462, 81.3560, 98.7575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

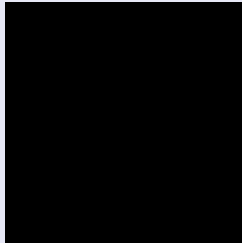
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

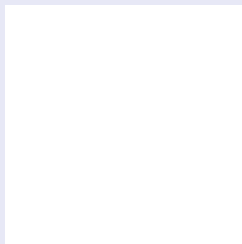
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4462, 81.3560, 98.7575

Background



This preview shows how black text looks on a background with the XYZ color 78.4462, 81.3560, 98.7575.



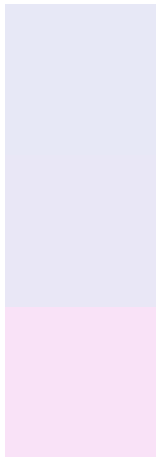
This preview shows how white text looks on a background with the XYZ color 78.4462, 81.3560,

98.7575.

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

78.4462, 81.3560, 98.7575

Protanopia

78.8147, 81.1293, 98.6943

Deuteranopia

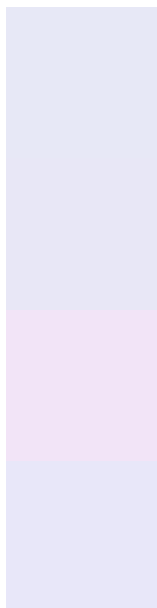
83.0518, 81.2478, 99.3008



Tritanopia

79.1099, 81.2098, 101.9480

Trichromacy



Original Color

78.4462, 81.3560, 98.7575

Protanomaly

78.4892, 80.9615, 98.6791

Deuteranomaly

81.1499, 81.0795, 99.3685

Tritanomaly

78.9535, 81.1472, 101.1242

Monochromacy



Original Color

78.4462, 81.3560, 98.7575

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.8502, 81.6067, 92.5374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4462, 81.3560, 98.7575 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(231, 232, 246)` looks like.

```
.text, #text, p{  
    color:rgb(231, 232, 246)  
}
```

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(231, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 246) }
```

Border

The CSS property to change the border of an element to XYZ 78.4462, 81.3560, 98.7575 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(231, 232, 246) }
```


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

```
.border{ border-color:rgb(231, 232, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 232,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4462, 81.3560, 98.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 232, 246) }
```

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

```
.background{ background-color: rgb(231,  
232, 246) }
```

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