

Converting Colors

XYZ(77.1803, 80.8576, 99.0506)

Have a look what the booklet for
XYZ(77.1803, 80.8576, 99.0506)
contains.

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Color

**XYZ(76.8552, 80.5358,
98.6830)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E8F6
RGB	226, 232, 246
RGB Percent	89%, 91%, 96%
CMY	0.1137, 0.0902, 0.0353
CMYK	0.08, 0.06, 0.00, 0.04
HSL	222°, 53%, 93%
HSV	222°, 8%, 96%
XYZ	76.8552, 80.5358, 98.6830
YIQ	231.8020, -8.0700, 3.0820

Conversions

Conversions Part 2

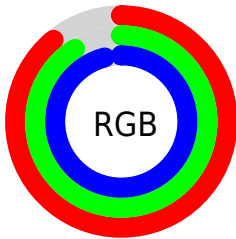
Format	Color
R _Y B	226, 231, 246
Decimal	14870774
CIE Lab	91.92, 0.62, -7.47
CIE LCh	92, 7.498, 274.772
Yxy	80.5358, 0.3001, 0.3145
Android (android.graphics.Color)	4293060854 (0xFFE2E8F6)
YUV	231.8020, 6.9996, -5.0884
Hunter-Lab	89.7417, -4.1799, -2.3780

Details

The XYZ color **76.8552, 80.5358, 98.6830** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.8939, 87.4033, 84.4545**, and the grayscale version is **76.5093, 80.4938, 87.6577**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6142, 43.4263, 54.9040** is the 20% darker color. If you saturate the color by 10%, you get **65.0772, 67.6209, 96.8122**, and if you desaturate by 10%, it is **90.2194, 94.9775, 100.7674**.

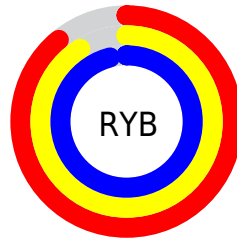
Distribution



Red (89%)

Green (91%)

Blue (96%)



Red (89%)

Yellow (91%)

Blue (96%)

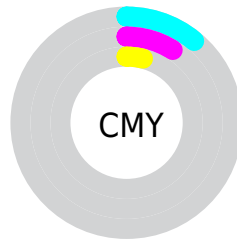


Cyan (8%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8552, 80.5358, 98.6830 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 76.8552, 80.5358, 98.6830 by changing the saturation by 10% instead.

■ 76.8552, 80.5358,
98.6830

■ 76.8552, 80.5358,
98.6830

473.1697,
496.7367, 577.1725

■ 57.4335, 60.1594,
74.5904

127.9090,
134.1188, 161.3822

■ 41.5949, 43.5471,
54.7777

160.2718,
168.0941, 200.8259

■ 28.9740, 30.3146,
38.8263

197.6791,
207.3712, 246.2236

■ 19.2053, 20.0775,
26.3179

240.4962,
252.3344, 297.9940

■ 11.9236, 12.4514,
16.8337

289.0885,
303.3682, 356.5555

■ 6.7635, 7.0519,
9.9553

343.8212,

■ 3.3597, 3.4946,

360.8569, 422.3267

5.2641

405.0599,
425.1849, 495.7262

■ 1.3467, 1.3951,
2.3416

■ 0.2178, 0.2131,
0.7544

■ 76.8552, 80.5358,
98.6830

■ 76.8552, 80.5358,
98.6830

■ 65.0772, 67.6209,
96.8122

■ 90.2194, 94.9775,
100.7674

■ 54.8178, 56.1712,
95.1429

■ 93.6348, 99.4339,
101.4476

■ 46.0150, 46.1359,
93.6699

■ 38.5994, 37.4570,
92.3855

■ 32.4959, 30.0725,
91.2818

■ 27.6217, 23.9148,
90.3502

■ 23.8839, 18.9097,
89.5811

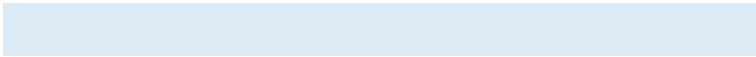
■ 21.1747, 14.9730,
88.9640

■ 19.3506, 12.0001,
88.4863

Harmonies

Analogous

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



74.9801, 80.5358, 97.6326



76.8552, 80.5358, 98.6830



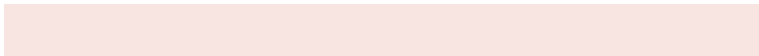
78.6772, 80.5358, 96.6884

Triad

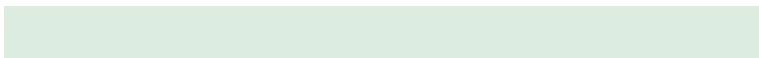
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8552, 80.5358, 98.6830



79.6276, 80.5358, 81.7822



73.2472, 80.5358, 83.2490

Complementary

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



76.8552, 80.5358, 98.6830



82.8939, 87.4033, 84.4545

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.



74.4553, 80.5358, 79.2676



76.8552, 80.5358, 98.6830



78.1353, 80.5358, 78.4460

Square

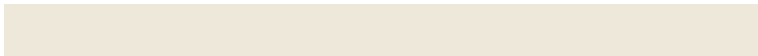
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8552, 80.5358, 98.6830



80.2948, 80.5358, 86.8109



76.2393, 80.5358, 77.5449



72.9174, 80.5358, 88.5746

Rectangle

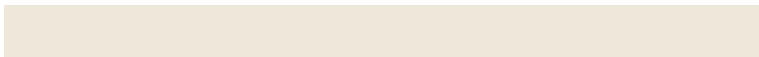
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



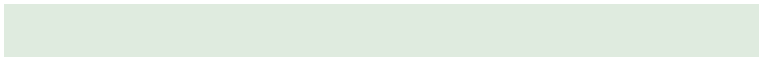
76.8552, 80.5358, 98.6830



79.6103, 80.5358, 93.9475



76.2393, 80.5358, 77.5449



73.5631, 80.5358, 81.7164

Sweetspot

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



76.8576, 80.5392, 98.6848



92.0705, 96.7894, 108.4373



79.9998, 88.3531, 95.0174



19.7381, 20.7506, 23.2149



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.



76.8576, 80.5392, 98.6848



80.8518, 84.6182, 106.6793



76.3586, 77.8159, 98.1854



15.9866, 16.7376, 20.9307



10.2871, 6.3680, 47.2250



0.9903, 0.7321, 4.1793

Inverse Universe

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



79.7697, 79.8134, 87.5491



84.7065, 83.6992, 91.9301



83.4170, 90.3401, 84.9938



16.7038, 16.5644, 18.1870



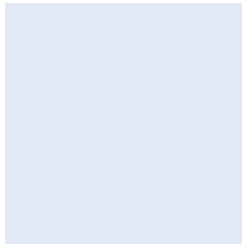
20.9970, 10.7422, 4.6924



1.8889, 0.9615, 0.6415

Previews

White Background



This preview shows how the XYZ color 76.8552, 80.5358, 98.6830 looks on a white background.

Color Contrast Check

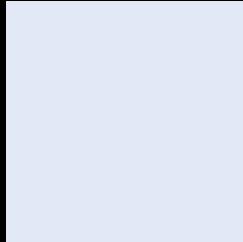
Large Text (above 18pt) WCAG AA × Fail

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 76.8552, 80.5358, 98.6830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

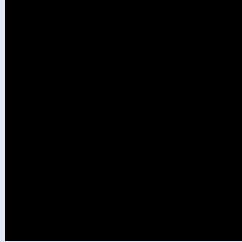
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

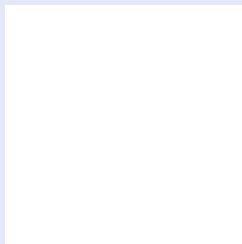
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8552, 80.5358, 98.6830

Background



This preview shows how black text looks on a background with the XYZ color 76.8552, 80.5358, 98.6830.



This preview shows how white text looks on a background with the XYZ color 76.8552, 80.5358,

98.6830.

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

76.8552, 80.5358, 98.6830

Protanopia

78.0570, 80.3420, 97.7797

Deuteranopia

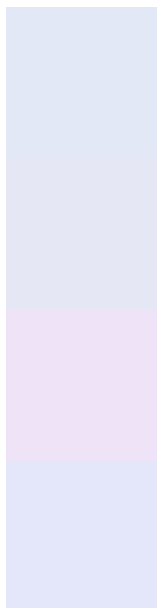
82.0715, 80.3400, 99.1772



Tritanopia

77.5098, 80.3848, 101.8731

Trichromacy



Original Color

76.8552, 80.5358, 98.6830

Protanomaly

77.6905, 80.5674, 97.8425

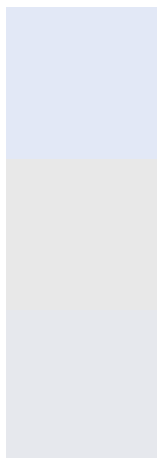
Deuteranomaly

80.1285, 80.5529, 99.3207

Tritanomaly

77.3534, 80.3223, 101.0493

Monochromacy



Original Color

76.8552, 80.5358, 98.6830

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.7758, 80.6506, 91.6414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8552, 80.5358, 98.6830 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(226, 232, 246) looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 232, 246) }
```

Border

The CSS property to change the border of an element to XYZ 76.8552, 80.5358, 98.6830 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(226, 232, 246) }
```


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

```
.border{ border-color:rgb(226, 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(226, 232, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(226, 232,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8552, 80.5358, 98.6830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 232, 246) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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