

Converting Colors

XYZ(78.1586, 83.4170, 97.8423)

Have a look what the booklet for
XYZ(78.1586, 83.4170, 97.8423)
contains.

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Color

**XYZ(77.9774, 83.2688,
97.5506)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EDF4
RGB	226, 237, 244
RGB Percent	89%, 93%, 96%
CMY	0.1137, 0.0706, 0.0431
CMYK	0.07, 0.03, 0.00, 0.04
HSL	203°, 45%, 92%
HSV	203°, 7%, 96%
XYZ	77.9774, 83.2688, 97.5506
YIQ	234.5090, -8.8030, -0.1550

Conversions

Conversions Part 2

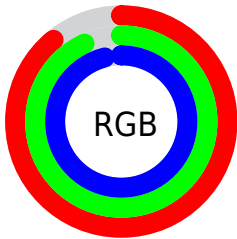
Format	Color
R _Y B	226, 233, 244
Decimal	14872052
CIE Lab	93.13, -2.32, -4.65
CIE LCh	93, 5.196, 243.434
Yxy	83.2688, 0.3013, 0.3218
Android (android.graphics.Color)	4293062132 (0xFFE2EDF4)
YUV	234.5090, 4.6791, -7.4624
Hunter-Lab	91.2517, -7.1568, 0.4936

Details

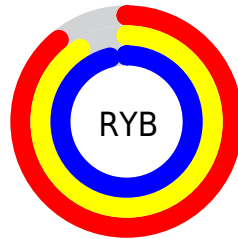
The XYZ color **77.9774, 83.2688, 97.5506** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.1750, 83.0014, 83.7482**, and the grayscale version is **78.5649, 82.6564, 90.0129**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3956, 45.3365, 54.0933** is the 20% darker color. If you saturate the color by 10%, you get **68.1908, 74.2566, 96.3282**, and if you desaturate by 10%, it is **89.0029, 93.1399, 98.8761**.

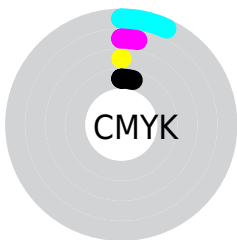
Distribution



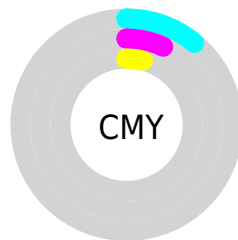
- Red (89%)
- Green (93%)
- Blue (96%)



- Red (89%)
- Yellow (91%)
- Blue (96%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (11%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9774, 83.2688, 97.5506 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 77.9774, 83.2688, 97.5506 by changing the saturation by 10% instead.

■ 77.9774, 83.2688,
97.5506

■ 77.9774, 83.2688,
97.5506

476.9311,
505.8819, 573.4902

■ 58.3581, 62.4119,
73.6511

129.4838,
137.9519, 159.8094

■ 42.3410, 45.3656,
54.0135

162.1016,
172.5469, 199.0059

■ 29.5607, 31.7455,
38.2192

199.7830,
212.4900, 244.1383

■ 19.6518, 21.1672,
25.8497

242.8934,
258.1657, 295.6254

■ 12.2490, 13.2463,
16.4865

291.7980,
309.9584, 353.8855

■ 6.9869, 7.5983,
9.7110

346.8622,

■ 3.5002, 3.8390,

368.2523, 419.3374

5.1047

408.4515,
433.4321, 492.3994

■ 1.4234, 1.5839,
2.2490

■ 0.2728, 0.3467,
0.7024

■ 77.9774, 83.2688,
97.5506

■ 77.9774, 83.2688,
97.5506

■ 68.1908, 74.2566,
96.3282

■ 89.0029, 93.1399,
98.8761

■ 59.5879, 66.0646,
95.2004

■ 93.3294, 99.3118,
99.8393

■ 52.1198, 58.6666,
94.1660

■ 45.7312, 52.0307,
93.2219

■ 40.3621, 46.1221,
92.3644

■ 35.9456, 40.9030,
91.5898

■ 32.4065, 36.3308,
90.8938

■ 29.6565, 32.3560,
90.2715

■ 27.5807, 28.9155,
89.7168

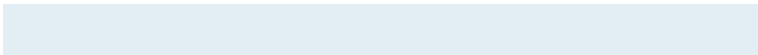
Harmonies

Analogous

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



76.9760, 83.2688, 94.8671



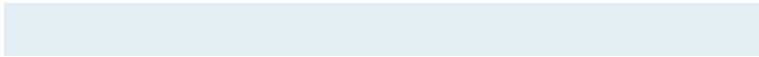
77.9774, 83.2688, 97.5506



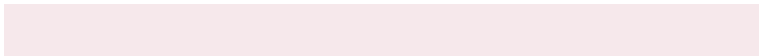
79.3017, 83.2688, 98.3714

Triad

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



77.9774, 83.2688, 97.5506



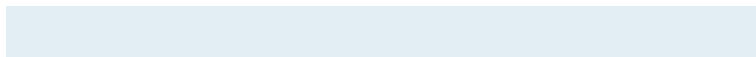
81.7913, 83.2688, 90.2165



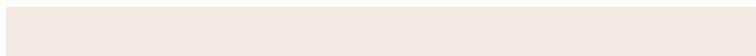
77.7083, 83.2688, 84.5410

Complementary

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



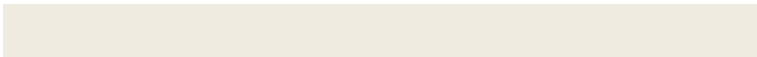
77.9774, 83.2688, 97.5506



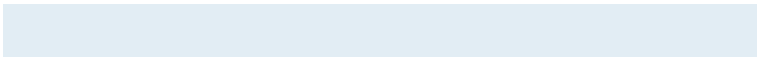
80.1750, 83.0014, 83.7482

Split Complementary

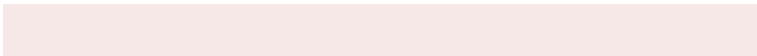
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9875, 83.2688, 83.3731



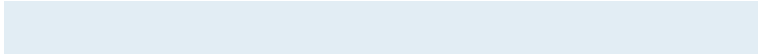
77.9774, 83.2688, 97.5506



81.3533, 83.2688, 86.5900

Square

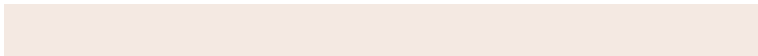
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9774, 83.2688, 97.5506



81.5134, 83.2688, 94.0663



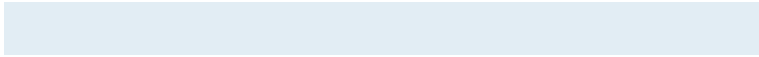
80.3232, 83.2688, 84.1124



76.8219, 83.2688, 87.3478

Rectangle

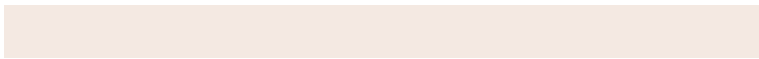
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9774, 83.2688, 97.5506



80.1920, 83.2688, 97.7329



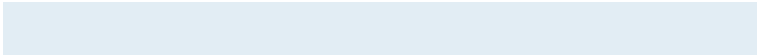
80.3232, 83.2688, 84.1124



78.1061, 83.2688, 83.9474

Sweetspot

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



77.9798, 83.2723, 97.5524



92.5694, 97.7872, 108.6036



78.4098, 86.7490, 89.6289



19.8397, 20.9538, 23.2488



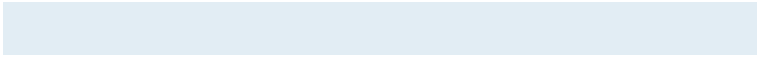
0.0000, 0.0000, 0.0000



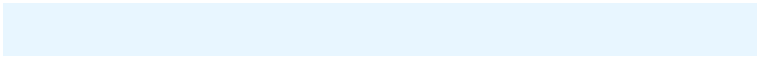
20.3446, 21.4041, 23.3091

Same Dimension

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



77.9798, 83.2723, 97.5524



84.3249, 90.3441, 107.6015



75.4655, 78.2438, 96.7144



16.4244, 17.6132, 21.0766



14.8731, 15.5400, 48.7536



1.4068, 1.5650, 4.3182

Inverse Universe

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



79.7926, 79.7420, 91.3111



86.7575, 85.6601, 99.2142



82.7594, 88.1702, 84.6097



16.9248, 16.6528, 19.3506



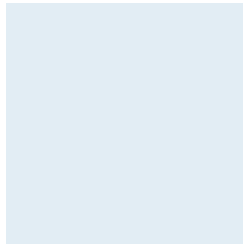
23.3118, 11.6681, 16.8820



2.0992, 1.0456, 1.7485

Previews

White Background



This preview shows how the XYZ color 77.9774, 83.2688, 97.5506 looks on a white background.

Color Contrast Check

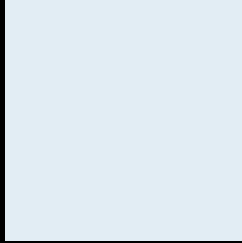
Large Text (above 18pt) WCAG AA × Fail

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 77.9774, 83.2688, 97.5506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

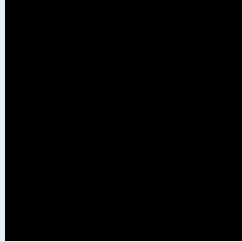
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

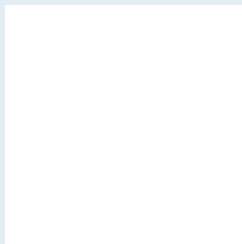
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9774, 83.2688, 97.5506

Background



This preview shows how black text looks on a background with the XYZ color 77.9774, 83.2688, 97.5506.



This preview shows how white text looks on a background with the XYZ color 77.9774, 83.2688,

97.5506.

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

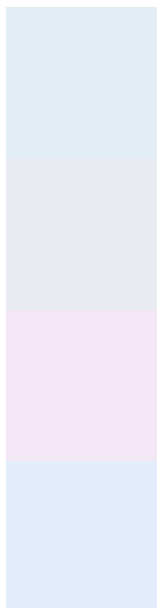




Tritanopia

79.5926, 83.0664, 105.6044

Trichromacy



Original Color

77.9774, 83.2688, 97.5506

Protanomaly

79.4903, 83.2114, 96.6658

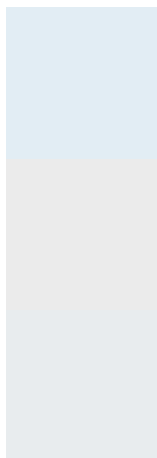
Deuteranomaly

82.0195, 82.7991, 98.0451

Tritanomaly

78.9293, 83.2239, 102.3463

Monochromacy



Original Color

77.9774, 83.2688, 97.5506

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.7068, 83.3198, 92.8229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9774, 83.2688, 97.5506 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, 237, 244) looks like.

```
.text, #text, p{  
    color:rgb(226, 237, 244)  
}
```

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, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 244) }
```

Border

The CSS property to change the border of an element to XYZ 77.9774, 83.2688, 97.5506 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, 237, 244) }
```


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

```
.border{ border-color:rgb(226, 237, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 237,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9774, 83.2688, 97.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 244) }
```

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

```
.background{ background-color: rgb(226,  
237, 244) }
```

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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