

Converting Colors

XYZ(78.5848, 83.5945, 97.4247)

Have a look what the booklet for
XYZ(78.5848, 83.5945, 97.4247)
contains.

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Color

**XYZ(78.6082, 83.5940,
97.5801)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EDF4
RGB	228, 237, 244
RGB Percent	89%, 93%, 96%
CMY	0.1059, 0.0706, 0.0431
CMYK	0.07, 0.03, 0.00, 0.04
HSL	206°, 42%, 93%
HSV	206°, 7%, 96%
XYZ	78.6082, 83.5940, 97.5801
YIQ	235.1070, -7.6110, 0.2690

Conversions

Conversions Part 2

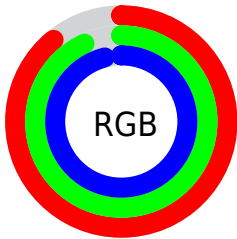
Format	Color
R _Y B	228, 234, 244
Decimal	15003124
CIE Lab	93.27, -1.68, -4.42
CIE LCh	93, 4.729, 249.237
Yxy	83.5940, 0.3026, 0.3218
Android (android.graphics.Color)	4293193204 (0xFFE4EDF4)
YUV	235.1070, 4.3842, -6.2328
Hunter-Lab	91.4298, -6.5338, 0.7225

Details

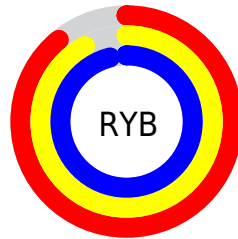
The XYZ color **78.6082, 83.5940, 97.5801** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.0204, 84.2504, 85.3918**, and the grayscale version is **79.0209, 83.1362, 90.5353**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8346, 45.5628, 54.1138** is the 20% darker color. If you saturate the color by 10%, you get **68.4100, 73.8886, 96.2456**, and if you desaturate by 10%, it is **90.0875, 94.2373, 99.0307**.

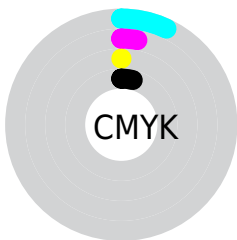
Distribution



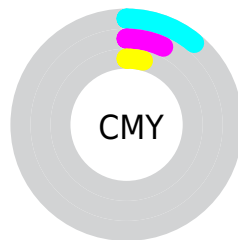
- Red (89%)
- Green (93%)
- Blue (96%)



- Red (89%)
- Yellow (92%)
- 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 78.6082, 83.5940, 97.5801 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 78.6082, 83.5940, 97.5801 by changing the saturation by 10% instead.

■ 78.6082, 83.5940,
97.5801

■ 78.6082, 83.5940,
97.5801

479.0382,
506.9640, 573.5863

■ 58.8782, 62.6803,
73.6755

130.3680,
138.4071, 159.8504

■ 42.7611, 45.5826,
54.0333

163.1285,
173.0753, 199.0533

■ 29.8914, 31.9166,
38.2350

200.9633,
213.0971, 244.1927

■ 19.9039, 21.2978,
25.8619

244.2377,
258.8569, 295.6871

■ 12.4330, 13.3419,
16.4955

293.3170,
310.7391, 353.9552

■ 7.1136, 7.6644,
9.7173

348.5666,

■ 3.5802, 3.8809,

369.1281, 419.4154

5.1088

410.3519,
434.4083, 492.4862

■ 1.4675, 1.6072,
2.2514

■ 0.3036, 0.3624,
0.7038

■ 78.6082, 83.5940,
97.5801

■ 78.6082, 83.5940,
97.5801

■ 68.4100, 73.8886,
96.2456

■ 90.0875, 94.2373,
99.0307

■ 59.4369, 65.0806,
95.0184

■ 93.3294, 99.3118,
99.8393

■ 51.6395, 57.1420,
93.8970

■ 44.9618, 50.0391,
92.8780

■ 39.3430, 43.7353,
91.9574

■ 34.7159, 38.1907,
91.1311

■ 31.0049, 33.3610,
90.3944

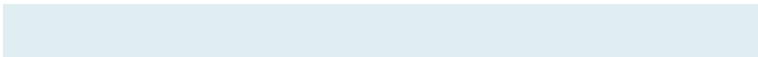
■ 28.1218, 29.1950,
89.7422

■ 25.9566, 25.6301,
89.1683

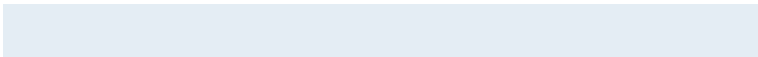
Harmonies

Analogous

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



77.6143, 83.5940, 95.4242



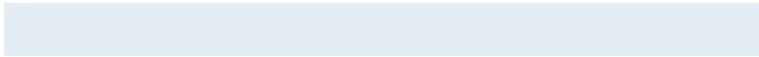
78.6082, 83.5940, 97.5801



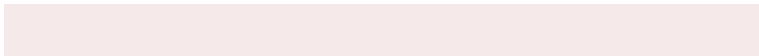
79.8384, 83.5940, 97.9538

Triad

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



78.6082, 83.5940, 97.5801



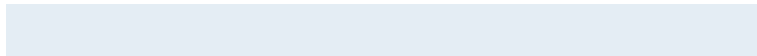
81.8393, 83.5940, 89.9239



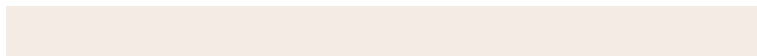
77.9494, 83.5940, 85.8135

Complementary

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



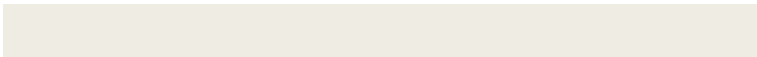
78.6082, 83.5940, 97.5801



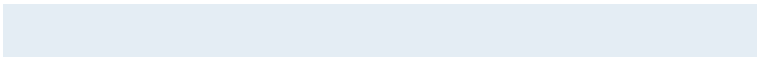
81.0204, 84.2504, 85.3918

Split Complementary

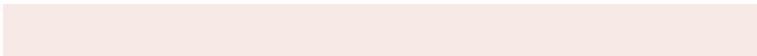
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0701, 83.5940, 84.4208



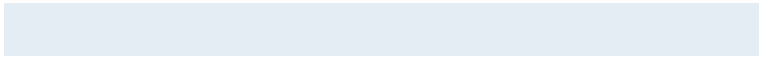
78.6082, 83.5940, 97.5801



81.3217, 83.5940, 86.7528

Square

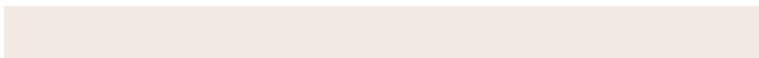
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



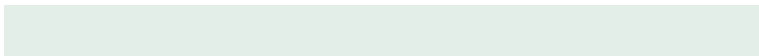
78.6082, 83.5940, 97.5801



81.7124, 83.5940, 93.4711



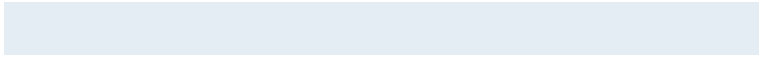
80.3050, 83.5940, 84.7600



77.2367, 83.5940, 88.6114

Rectangle

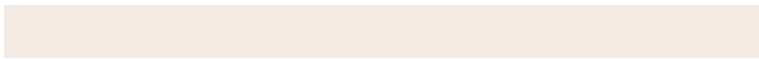
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6082, 83.5940, 97.5801



80.6282, 83.5940, 97.1325



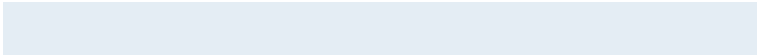
80.3050, 83.5940, 84.7600



78.2904, 83.5940, 85.1689

Sweetspot

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



78.6106, 83.5975, 97.5819



92.4912, 97.6309, 108.5776



79.3327, 87.1910, 91.1963



19.8238, 20.9219, 23.2435



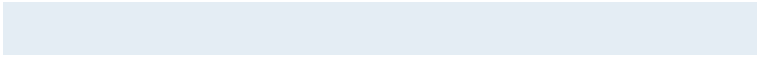
0.0000, 0.0000, 0.0000



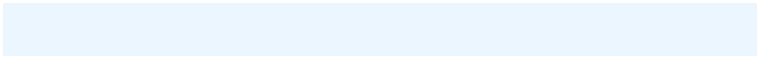
20.3446, 21.4041, 23.3091

Same Dimension

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



78.6106, 83.5975, 97.5819



85.1591, 90.7742, 107.6406



76.3631, 79.1025, 96.8328



16.3549, 17.4741, 21.0534



13.9053, 13.6044, 48.4311



1.3243, 1.4001, 4.2907

Inverse Universe

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



80.3395, 80.8359, 91.4935



87.4807, 87.1066, 99.4555



83.3437, 88.8972, 86.1663



16.8897, 16.6387, 19.1658



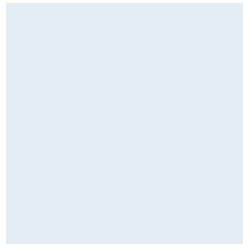
22.8233, 11.4727, 14.3096



2.0575, 1.0290, 1.5293

Previews

White Background



This preview shows how the XYZ color 78.6082, 83.5940, 97.5801 looks on a white background.

Color Contrast Check

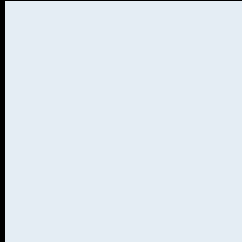
Large Text (above 18pt) WCAG AA × Fail

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 78.6082, 83.5940, 97.5801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

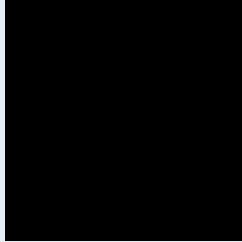
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

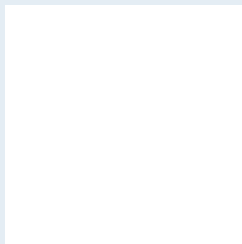
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6082, 83.5940, 97.5801

Background



This preview shows how black text looks on a background with the XYZ color 78.6082, 83.5940, 97.5801.



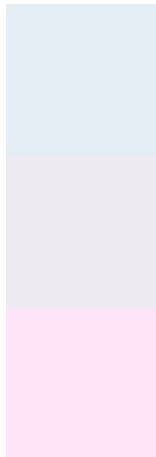
This preview shows how white text looks on a background with the XYZ color 78.6082, 83.5940,

97.5801.

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

78.6082, 83.5940, 97.5801

Protanopia

80.7097, 83.4336, 95.8548

Deuteranopia

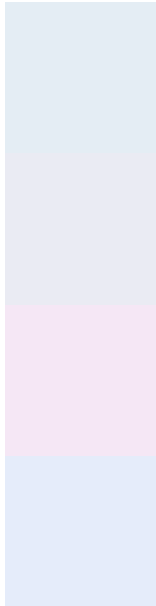
85.2510, 83.2115, 98.7570



Tritanopia

80.2309, 83.3954, 105.6342

Trichromacy



Original Color

78.6082, 83.5940, 97.5801

Protanomaly

79.8177, 83.3802, 96.6812

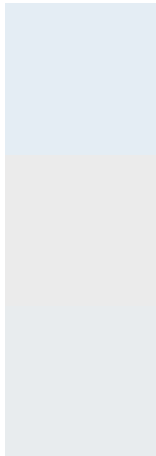
Deuteranomaly

82.7135, 83.1569, 98.0776

Tritanomaly

79.5639, 83.5510, 102.3760

Monochromacy



Original Color

78.6082, 83.5940, 97.5801

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 78.6082, 83.5940, 97.5801 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, 237, 244) looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 237, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 244) }
```

Border

The CSS property to change the border of an element to XYZ 78.6082, 83.5940, 97.5801 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, 237, 244) }
```


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

```
.border{ border-color:rgb(228, 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(228, 237, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 244);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6082, 83.5940, 97.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 244) }
```

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

```
.background{ background-color: rgb(228,  
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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