

Converting Colors

XYZ(78.7751, 83.3878, 97.9159)

Have a look what the booklet for
XYZ(78.7751, 83.3878, 97.9159)
contains.

XYZ(78.6377, 83.1806, 97.4988)	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(78.6377, 83.1806,
97.4988)**

Conversions

Conversions Part 1

Format	Color
Hex	E5ECF4
RGB	229, 236, 244
RGB Percent	90%, 93%, 96%
CMY	0.1020, 0.0745, 0.0431
CMYK	0.06, 0.03, 0.00, 0.04
HSL	212°, 41%, 93%
HSV	212°, 6%, 96%
XYZ	78.6377, 83.1806, 97.4988
YIQ	234.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

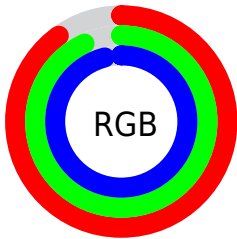
Format	Color
R _Y B	229, 234, 244
Decimal	15068404
CIE Lab	93.09, -0.84, -4.68
CIE LCh	93, 4.754, 259.823
Yxy	83.1806, 0.3032, 0.3208
Android (android.graphics.Color)	4293258484 (0xFFE5ECF4)
YUV	234.8190, 4.5262, -5.1033
Hunter-Lab	91.2034, -5.6991, 0.4598

Details

The XYZ color **78.6377, 83.1806, 97.4988** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.7355, 85.4579, 86.3172**, and the grayscale version is **78.8004, 82.9041, 90.2826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8539, 45.2720, 54.0567** is the 20% darker color. If you saturate the color by 10%, you get **67.7836, 72.2286, 95.9582**, and if you desaturate by 10%, it is **90.8636, 95.2492, 99.1852**.

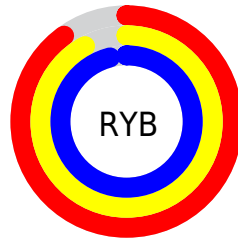
Distribution



Red (90%)

Green (93%)

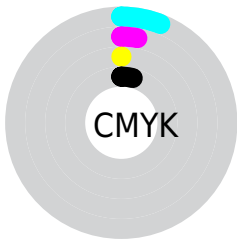
Blue (96%)



Red (90%)

Yellow (92%)

Blue (96%)

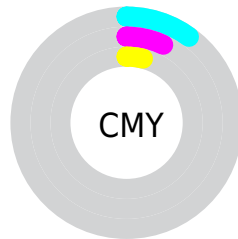


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (4%)



Cyan (10%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.6377, 83.1806, 97.4988 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 78.6377, 83.1806, 97.4988 by changing the saturation by 10% instead.

■ 78.6377, 83.1806,
97.4988

■ 78.6377, 83.1806,
97.4988

479.1366,
505.5882, 573.3215

■ 58.9026, 62.3391,
73.6081

130.4093,
137.8284, 159.7375

■ 42.7808, 45.3068,
53.9785

163.1765,
172.4035, 198.9225

■ 29.9069, 31.6991,
38.1914

201.0184,
212.3253, 244.0428

■ 19.9157, 21.1318,
25.8283

244.3005,
257.9781, 295.5169

■ 12.4417, 13.2204,
16.4706

293.3879,
309.7465, 353.7632

■ 7.1195, 7.5805,
9.6998

348.6462,

■ 3.5840, 3.8277,

368.0147, 419.2004

5.0974

410.4406,
433.1671, 492.2470

■ 1.4696, 1.5777,
2.2448

■ 0.3050, 0.3425,
0.7000

■ 78.6377, 83.1806,
97.4988

■ 78.6377, 83.1806,
97.4988

■ 67.7836, 72.2286,
95.9582

■ 90.8636, 95.2492,
99.1852

■ 58.2430, 62.3478,
94.5539

■ 93.3294, 99.3118,
99.8394

■ 49.9637, 53.5048,
93.2834

■ 42.8872, 45.6601,
92.1422

■ 36.9499, 38.7715,
91.1255

■ 32.0818, 32.7931,
90.2281

■ 28.2043, 27.6740,
89.4444

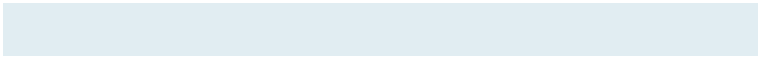
■ 25.2265, 23.3564,
88.7679

■ 23.0366, 19.7715,
88.1914

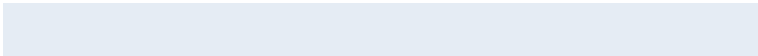
Harmonies

Analogous

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



77.5236, 83.1806, 95.9188



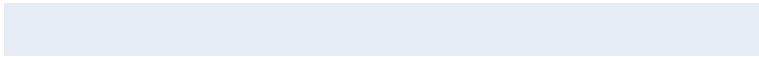
78.6377, 83.1806, 97.4988



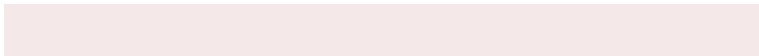
79.8766, 83.1806, 97.1852

Triad

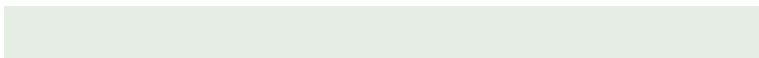
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6377, 83.1806, 97.4988



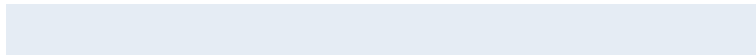
81.3381, 83.1806, 88.2605



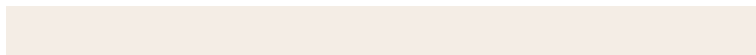
77.2426, 83.1806, 86.2106

Complementary

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



78.6377, 83.1806, 97.4988



81.7355, 85.4579, 86.3172

Split Complementary

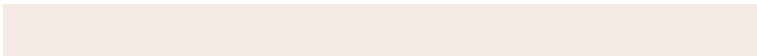
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2503, 83.1806, 84.2611



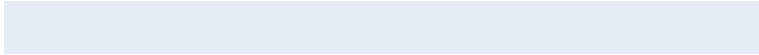
78.6377, 83.1806, 97.4988



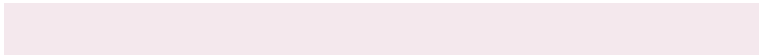
80.6179, 83.1806, 85.4229

Square

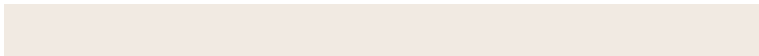
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



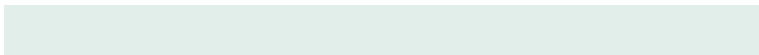
78.6377, 83.1806, 97.4988



81.4445, 83.1806, 91.7885



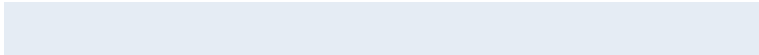
79.4851, 83.1806, 83.9766



76.7238, 83.1806, 89.3614

Rectangle

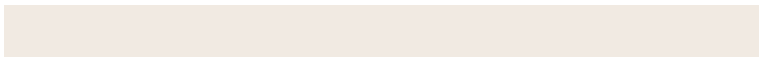
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6377, 83.1806, 97.4988



80.6064, 83.1806, 95.9472



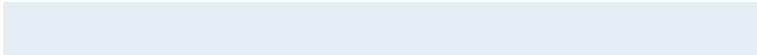
79.4851, 83.1806, 83.9766



77.5349, 83.1806, 85.3966

Sweetspot

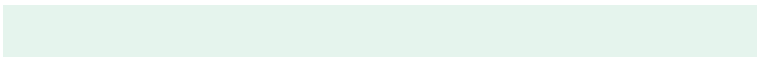
The Sweet Spot groups the original color and five complimentary colors.



78.6401, 83.1841, 97.5006



92.3373, 97.3231, 108.5263



79.9147, 87.4606, 92.6004



19.7924, 20.8593, 23.2330



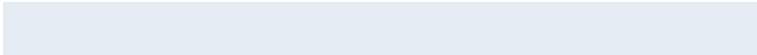
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.6401, 83.1841, 97.5006



85.8243, 90.8487, 107.6199



76.7427, 79.2709, 96.8453



16.6797, 17.6644, 21.0730



12.2803, 10.3544, 47.8894



1.1812, 1.1138, 4.2430

Inverse Universe

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



80.4697, 81.3295, 90.8180



88.1231, 88.5375, 99.2193



83.7164, 89.5483, 87.0023



17.1658, 17.1784, 19.2962



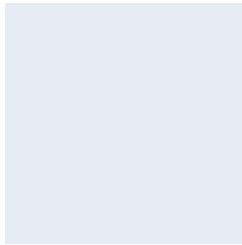
22.0030, 11.1446, 9.9903



1.9853, 1.0001, 1.1488

Previews

White Background



This preview shows how the XYZ color 78.6377, 83.1806, 97.4988 looks on a white background.

Color Contrast Check

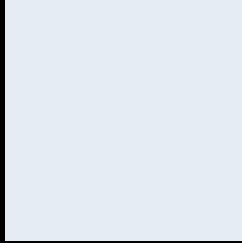
Large Text (above 18pt) WCAG AA × Fail

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 78.6377, 83.1806, 97.4988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

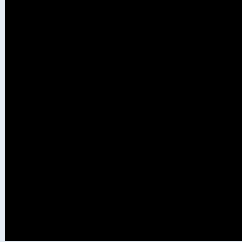
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

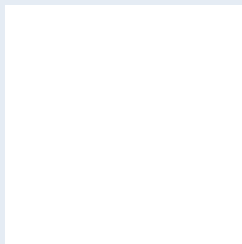
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6377, 83.1806, 97.4988

Background



This preview shows how black text looks on a background with the XYZ color 78.6377, 83.1806, 97.4988.



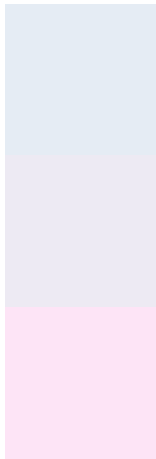
This preview shows how white text looks on a background with the XYZ color 78.6377, 83.1806,

97.4988.

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

78.6377, 83.1806, 97.4988

Protanopia

80.5255, 83.3212, 96.6325

Deuteranopia

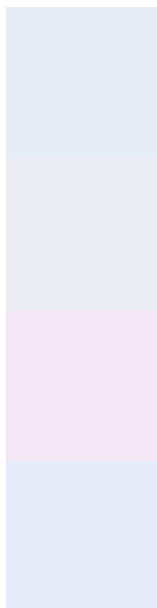
84.8860, 83.0233, 98.7399



Tritanopia

80.0711, 83.3315, 104.7929

Trichromacy



Original Color

78.6377, 83.1806, 97.4988

Protanomaly

79.8177, 83.3802, 96.6812

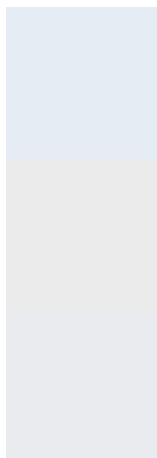
Deuteranomaly

82.3656, 82.9775, 98.0613

Tritanomaly

79.5968, 83.1418, 102.2952

Monochromacy



Original Color

78.6377, 83.1806, 97.4988

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.7452, 82.9133, 92.7425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6377, 83.1806, 97.4988 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(229, 236, 244) looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 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(229, 236, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 244) }
```

Border

The CSS property to change the border of an element to XYZ 78.6377, 83.1806, 97.4988 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(229, 236, 244) }
```


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

```
.border{ border-color:rgb(229, 236, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 236, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6377, 83.1806, 97.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 244) }
```

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

```
.background{ background-color: rgb(229,  
236, 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](#).

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