

Converting Colors

XYZ(81.5108, 88.1969,
100.2828)

Have a look what the booklet for
XYZ(81.5108, 88.1969, 100.2828)
contains.

XYZ(81.2983, 88.0132, 99.8921)	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(81.2983, 88.0132,
99.8921)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F4F6
RGB	229, 244, 246
RGB Percent	90%, 96%, 96%
CMY	0.1020, 0.0431, 0.0353
CMYK	0.07, 0.01, 0.00, 0.04
HSL	187°, 49%, 93%
HSV	187°, 7%, 96%
XYZ	81.2983, 88.0132, 99.8921
YIQ	239.7430, -9.5820, -2.5580

Conversions

Conversions Part 2

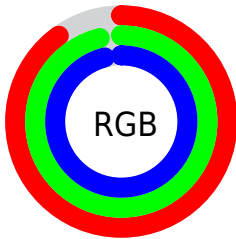
Format	Color
R _Y B	229, 237, 246
Decimal	15070454
CIE Lab	95.17, -4.54, -2.67
CIE LCh	95, 5.267, 210.456
Yxy	88.0132, 0.3020, 0.3269
Android (android.graphics.Color)	4293260534 (0xFFE5F4F6)
YUV	239.7430, 3.0847, -9.4216
Hunter-Lab	93.8154, -9.4927, 2.5403

Details

The XYZ color **81.2983, 88.0132, 99.8921** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7250, 82.4010, 85.7804**, and the grayscale version is **82.6076, 86.9096, 94.6446**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5111, 48.5684, 55.7438** is the 20% darker color. If you saturate the color by 10%, you get **73.1368, 82.5280, 99.2649**, and if you desaturate by 10%, it is **90.5907, 94.1065, 100.5798**.

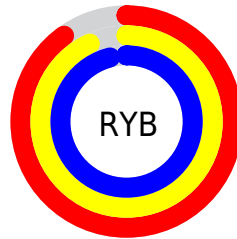
Distribution



Red (90%)

Green (96%)

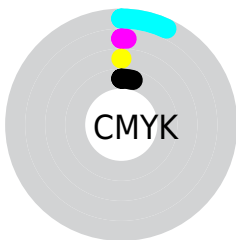
Blue (96%)



Red (90%)

Yellow (93%)

Blue (96%)

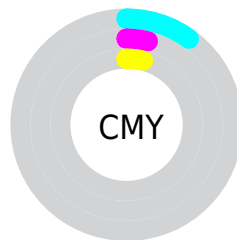


Cyan (7%)

Magenta (1%)

Yellow (0%)

Black (4%)



Cyan (10%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2983, 88.0132, 99.8921 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 81.2983, 88.0132, 99.8921 by changing the saturation by 10% instead.

81.2983, 88.0132,
99.8921

81.2983, 88.0132,
99.8921

487.9677,
521.5465, 581.0904

61.0994, 66.3340,
75.5940

134.1305,
144.5755, 163.0595

44.5583, 48.5436,
55.5950

167.4946,
180.2275, 202.7659

31.3094, 34.2576,
39.4765

205.9777,
221.3057, 248.4455

20.9876, 23.0915,
26.8199

249.9454,
268.1948, 300.5168

13.2273, 14.6611,
17.2068

299.7628,
321.2790, 359.3985

7.6633, 8.5819,
10.2185

355.7954,

3.9303, 4.4695,

380.9427, 425.5089

5.4366

418.4086,
447.5704, 499.2667

■ 1.6628, 1.9395,
2.4425

■ 0.4328, 0.5720,
0.8094

■ 81.2983, 88.0132,
99.8921

■ 81.2983, 88.0132,
99.8921

■ 73.1368, 82.5280,
99.2649

■ 90.5907, 94.1065,
100.5798

■ 66.0521, 77.6156,
98.6901

■ 91.9929, 96.1501,
100.9004

■ 59.9968, 73.2539,
98.1673

■ 92.8964, 97.9570,
101.2015

■ 54.9170, 69.4151,
97.6941

■ 93.6348, 99.4339,
101.4477

■ 50.7541, 66.0687,
97.2676

■ 47.4427, 63.1812,
96.8848

■ 44.9089, 60.7141,
96.5421

■ 43.0660, 58.6228,
96.2356

■ 41.8036, 56.8503,
95.9600

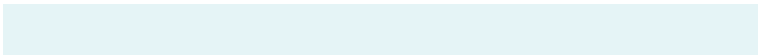
Harmonies

Analogous

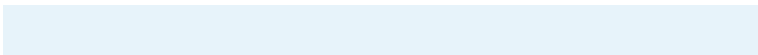
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9255, 88.0132, 95.8942



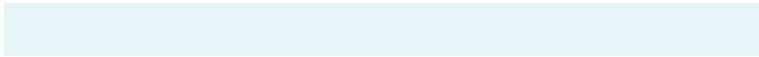
81.2983, 88.0132, 99.8921



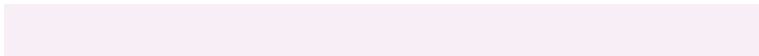
82.3010, 88.0132, 102.8705

Triad

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



81.2983, 88.0132, 99.8921



86.0769, 88.0132, 99.7803



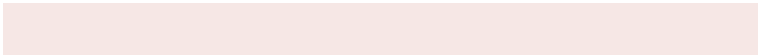
83.6320, 88.0132, 88.1460

Complementary

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



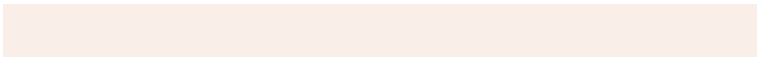
81.2983, 88.0132, 99.8921



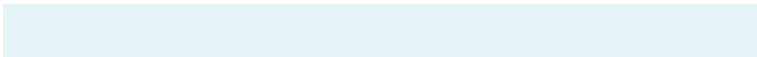
80.7250, 82.4010, 85.7804

Split Complementary

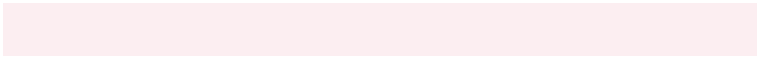
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0216, 88.0132, 89.1210



81.2983, 88.0132, 99.8921



86.4430, 88.0132, 95.7686

Square

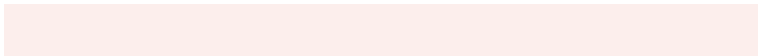
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2983, 88.0132, 99.8921



85.0600, 88.0132, 102.8046



86.0546, 88.0132, 91.8823



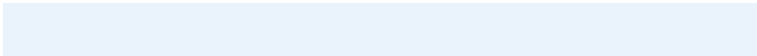
82.2634, 88.0132, 89.1809

Rectangle

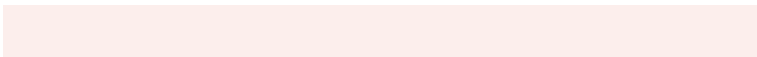
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



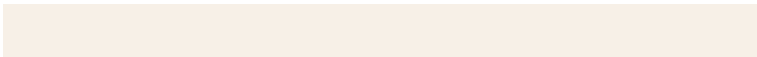
81.2983, 88.0132, 99.8921



83.1973, 88.0132, 103.8358



86.0546, 88.0132, 91.8823



84.1122, 88.0132, 88.2493

Sweetspot

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



81.3008, 88.0169, 99.8940



93.0078, 98.6640, 108.7498



79.6916, 88.3395, 88.4413



19.9289, 21.1322, 23.2785



0.0000, 0.0000, 0.0000



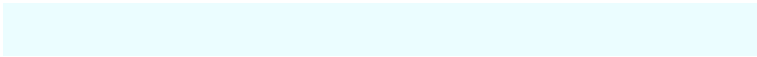
20.3446, 21.4041, 23.3091

Same Dimension

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



81.3008, 88.0169, 99.8940



87.1796, 94.8153, 108.3141



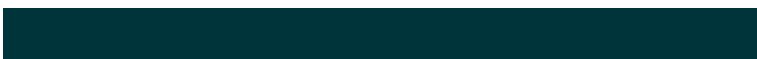
78.8055, 83.0262, 99.0623



16.8209, 18.4060, 21.2087



22.2067, 30.2072, 51.1982



1.9978, 2.7471, 4.5152

Inverse Universe

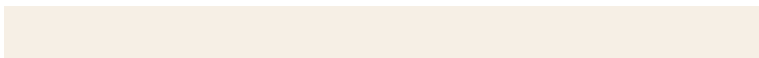
The Inverse Universe completely reimagines the original color for something new.



82.3564, 82.1647, 97.1111



88.5006, 87.5145, 104.8261



83.1584, 87.2678, 86.5915



17.1249, 16.7328, 20.4044



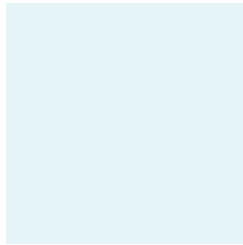
27.0134, 13.1488, 36.3747



2.3975, 1.1650, 3.3194

Previews

White Background



This preview shows how the XYZ color 81.2983, 88.0132, 99.8921 looks on a white background.

Color Contrast Check

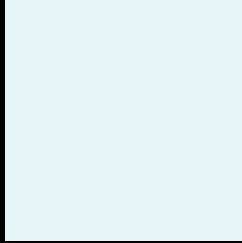
Large Text (above 18pt) WCAG AA × Fail

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 81.2983, 88.0132, 99.8921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

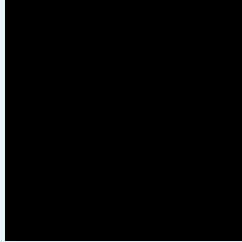
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

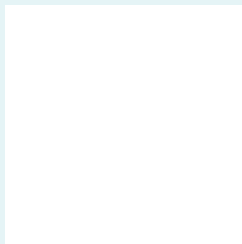
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2983, 88.0132, 99.8921

Background



This preview shows how black text looks on a background with the XYZ color 81.2983, 88.0132, 99.8921.



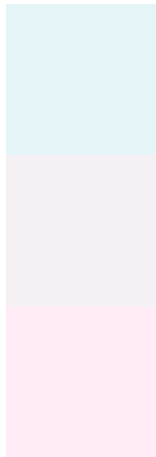
This preview shows how white text looks on a background with the XYZ color 81.2983, 88.0132,

99.8921.

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

81.2983, 88.0132, 99.8921

Protanopia

84.6460, 88.0243, 97.3231

Deuteranopia

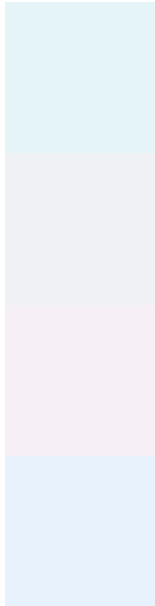
87.8700, 87.9047, 99.5248



Tritanopia

83.4370, 87.6230, 107.1231

Trichromacy



Original Color

81.2983, 88.0132, 99.8921

Protanomaly

83.3810, 87.7930, 98.1390

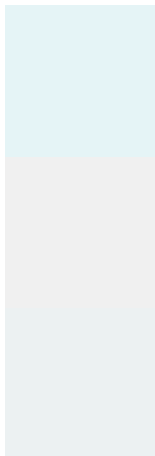
Deuteranomaly

85.5071, 87.9797, 99.6638

Tritanomaly

82.6015, 87.6883, 104.6674

Monochromacy



Original Color

81.2983, 88.0132, 99.8921

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.0744, 87.1543, 96.5011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2983, 88.0132, 99.8921 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, 244, 246) looks like.

```
.text, #text, p{  
    color:rgb(229, 244, 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(229, 244, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 244, 246) }
```

Border

The CSS property to change the border of an element to XYZ 81.2983, 88.0132, 99.8921 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, 244, 246) }
```


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

```
.border{ border-color:rgb(229, 244, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 244, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 244, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 244, 246);  
box-shadow:4px 4px 4px 4px rgb(229, 244,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2983, 88.0132, 99.8921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 244, 246) }
```

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

```
.background{ background-color: rgb(229,  
244, 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