

# Converting Colors

XYZ(81.1242, 88.5526, 99.7388)

Have a look what the booklet for  
XYZ(81.1242, 88.5526, 99.7388)  
contains.

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# **Color**

**XYZ(80.9655, 88.2895,  
99.9630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F5F6
RGB	227, 245, 246
RGB Percent	89%, 96%, 96%
CMY	0.1098, 0.0392, 0.0353
CMYK	0.08, 0.00, 0.00, 0.04
HSL	183°, 51%, 93%
HSV	183°, 8%, 96%
XYZ	80.9655, 88.2895, 99.9630
YIQ	239.7320, -11.0490, -3.5050

# Conversions

## Conversions Part 2

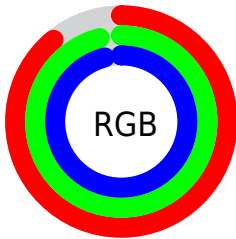
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 236, 246
Decimal	14939638
CIE Lab	95.28, -5.69, -2.52
CIE LCh	95, 6.221, 203.850
Yxy	88.2895, 0.3007, 0.3279
Android (android.graphics.Color)	4293129718 (0xFFE3F5F6)
YUV	239.7320, 3.0901, -11.1660
Hunter-Lab	93.9625, -10.6247, 2.6974

# Details

The XYZ color **80.9655, 88.2895, 99.9630** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.6149, 80.6251, 84.0405**, and the grayscale version is **82.5998, 86.9014, 94.6356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5051, 48.8836, 55.8050** is the 20% darker color. If you saturate the color by 10%, you get **73.3659, 83.7969, 99.4977**, and if you desaturate by 10%, it is **89.6814, 93.3665, 100.4849**.

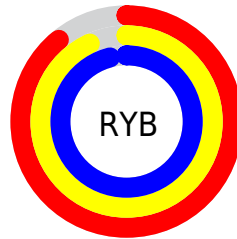
# Distribution



Red (89%)

Green (96%)

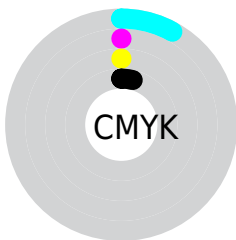
Blue (96%)



Red (89%)

Yellow (93%)

Blue (96%)

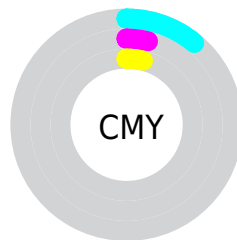


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9655, 88.2895, 99.9630 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 80.9655, 88.2895, 99.9630 by changing the saturation by 10% instead.



80.9655, 88.2895,  
99.9630

80.9655, 88.2895,  
99.9630

486.8678,  
522.4508, 581.3197

60.8244, 66.5629,  
75.6529

133.6657,  
144.9601, 163.1578

44.3355, 48.7295,  
55.6430

166.9556,  
180.6729, 202.8795

31.1334, 34.4049,  
39.5147

205.3590,  
221.8165, 248.5756

20.8527, 23.2048,  
26.8495

249.2414,  
268.7753, 300.6646

13.1282, 14.7448,  
17.2288

298.9681,  
321.9338, 359.5649

7.5945, 8.6405,  
10.2340

354.9045,

3.8862, 4.5074,

381.6763, 425.6952

5.4468

417.4160,  
448.3871, 499.4739

■ 1.6380, 1.9613,  
2.4484

■ 0.4170, 0.5848,  
0.8126

■ 80.9655, 88.2895,  
99.9630

■ 80.9655, 88.2895,  
99.9630

■ 73.3659, 83.7969,  
99.4977

■ 89.6814, 93.3665,  
100.4849

■ 66.8284, 79.8533,  
99.0811

■ 91.3148, 94.7940,  
100.6744

■ 61.3052, 76.4367,  
98.7128

■ 91.7119, 95.5882,  
100.8068

■ 56.7423, 73.5192,  
98.3901

■ 92.1118, 96.3878,  
100.9400

■ 53.0804, 71.0702,  
98.1104

■ 92.5143, 97.1930,  
101.0742

■ 50.2539, 69.0558,  
97.8706

■ 92.9197, 98.0036,  
101.2093

■ 48.1880, 67.4375,  
97.6671

■ 93.3277, 98.8198,  
101.3453

■ 46.7946, 66.1699,  
97.4959

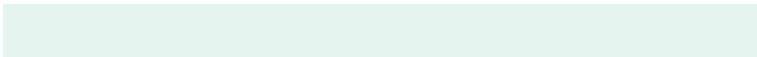
■ 93.6348, 99.4339,  
101.4477

■ 45.9560, 65.1923,  
97.3514

# Harmonies

## Analogous

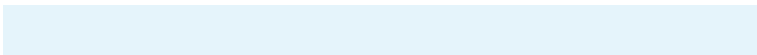
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7119, 88.2895, 95.1339



80.9655, 88.2895, 99.9630



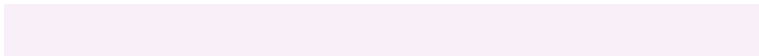
82.0051, 88.2895, 103.8824

# Triad

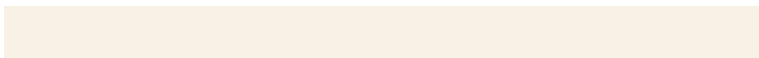
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9655, 88.2895, 99.9630



86.5807, 88.2895, 101.7547



84.2668, 88.2895, 87.1315

# Complementary

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



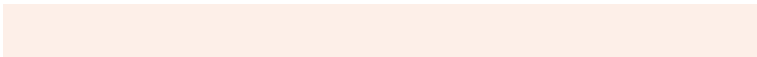
80.9655, 88.2895, 99.9630



79.6149, 80.6251, 84.0405

# 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.



85.8574, 88.2895, 88.7775



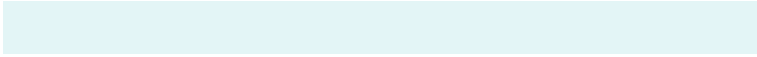
80.9655, 88.2895, 99.9630



87.2049, 88.2895, 97.1376

# Square

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



80.9655, 88.2895, 99.9630



85.2437, 88.2895, 104.9409



86.9384, 88.2895, 92.4007

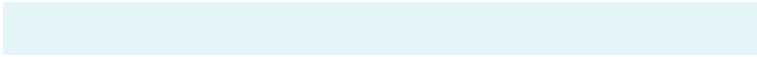


82.6032, 88.2895, 87.8308

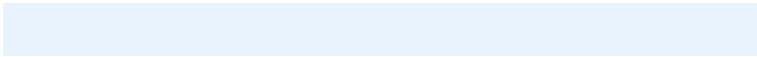


# Rectangle

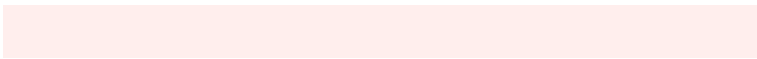
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



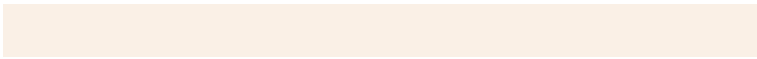
80.9655, 88.2895, 99.9630



83.0116, 88.2895, 105.3969



86.9384, 88.2895, 92.4007



84.8280, 88.2895, 87.4271

# Sweetspot

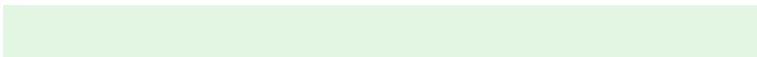
The Sweet Spot groups the original color and five complimentary colors.



80.9680, 88.2932, 99.9650



93.1133, 98.8750, 108.7849



78.6324, 87.8425, 86.1748



19.9504, 21.1751, 23.2857



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

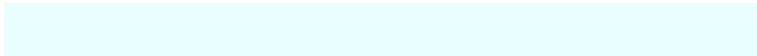


# Same Dimension

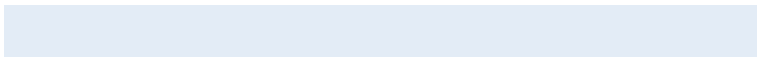
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9680, 88.2932, 99.9650



86.7222, 95.1388, 108.4006



78.1806, 82.7183, 99.0358



16.9179, 18.6001, 21.2411



24.4806, 34.7550, 51.9561



2.1740, 3.0994, 4.5739



# Inverse Universe

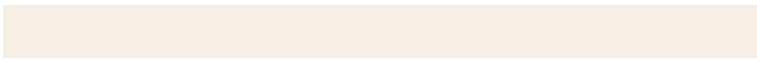
The Inverse Universe completely reimagines the original color for something new.



81.9585, 81.1253, 97.7296



87.9675, 86.1441, 105.5863



82.2872, 85.9696, 84.9313



17.1739, 16.7524, 20.6623



28.1612, 13.6079, 42.4187

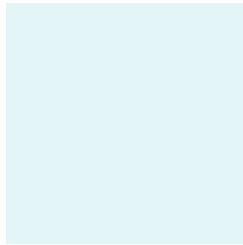


2.4864, 1.2005, 3.7877



# Previews

## White Background



This preview shows how the XYZ color 80.9655, 88.2895, 99.9630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

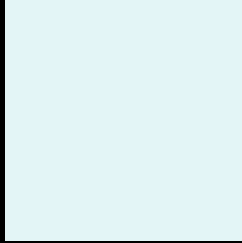
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.9655, 88.2895, 99.9630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

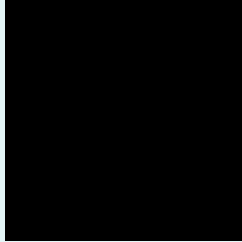
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

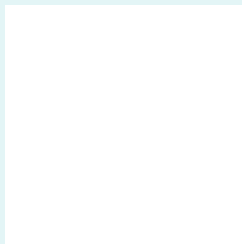
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.9655, 88.2895, 99.9630

## Background



This preview shows how black text looks on a background with the XYZ color 80.9655, 88.2895, 99.9630.



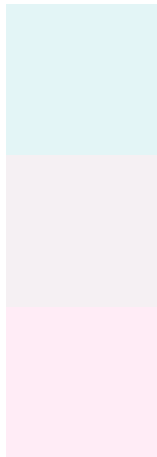
This preview shows how white text looks on a background with the XYZ color 80.9655, 88.2895,

99.9630.

# 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

80.9655, 88.2895, 99.9630

### Protanopia

84.9939, 88.2037, 97.3394

### Deuteranopia

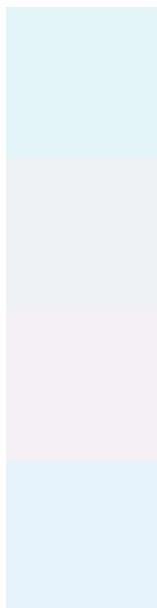
87.8700, 87.9047, 99.5248



## Tritanopia

83.7338, 88.2167, 107.2220

# Trichromacy



## Original Color

80.9655, 88.2895, 99.9630

## Protanomaly

83.3412, 88.2131, 98.2222

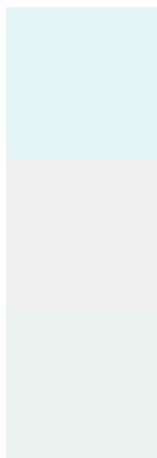
## Deuteranomaly

85.1572, 87.7993, 99.6475

## Tritanomaly

82.5763, 88.1184, 104.7518

# Monochromacy



## Original Color

80.9655, 88.2895, 99.9630

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.0401, 87.5772, 96.5845

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.9655, 88.2895, 99.9630 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(227, 245, 246)` looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 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(227, 245, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 80.9655, 88.2895, 99.9630 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(227, 245, 246) }
```



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

```
.border{ border-color:rgb(227, 245, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 245, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 246);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.9655, 88.2895, 99.9630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 246) }
```

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

```
.background{ background-color: rgb(227,  
245, 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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