

# Converting Colors

XYZ(80.3063, 87.9903, 98.1282)

Have a look what the booklet for  
XYZ(80.3063, 87.9903, 98.1282)  
contains.

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# Color

**XYZ(80.3456, 88.0052,  
98.3400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F5F4
RGB	226, 245, 244
RGB Percent	89%, 96%, 96%
CMY	0.1137, 0.0392, 0.0431
CMYK	0.08, 0.00, 0.00, 0.04
HSL	177°, 49%, 92%
HSV	177°, 8%, 96%
XYZ	80.3456, 88.0052, 98.3400
YIQ	239.2050, -11.0030, -4.3390

# Conversions

## Conversions Part 2

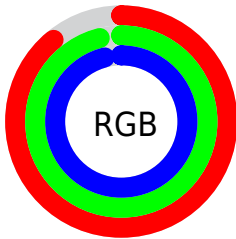
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 236, 245
Decimal	14874100
CIE Lab	95.16, -6.39, -1.66
CIE LCh	95, 6.600, 194.601
Yxy	88.0052, 0.3013, 0.3300
Android (android.graphics.Color)	4293064180 (0xFFE2F5F4)
YUV	239.2050, 2.3639, -11.5808
Hunter-Lab	93.8111, -11.2910, 3.5154

# Details

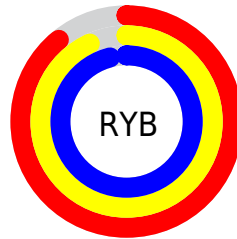
The XYZ color **80.3456, 88.0052, 98.3400** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.7209, 79.3537, 83.8449**, and the grayscale version is **82.1941, 86.4746, 94.1709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0693, 48.6840, 54.6512** is the 20% darker color. If you saturate the color by 10%, you get **73.0100, 84.2486, 96.9764**, and if you desaturate by 10%, it is **88.7854, 92.3357, 99.7662**.

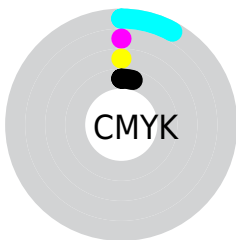
# Distribution



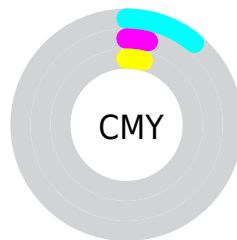
- Red (89%)
- Green (96%)
- Blue (96%)



- 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 80.3456, 88.0052, 98.3400 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 80.3456, 88.0052, 98.3400 by changing the saturation by 10% instead.



80.3456, 88.0052,  
98.3400

80.3456, 88.0052,  
98.3400

484.8156,  
521.5203, 576.0585

60.3122, 66.3274,  
74.3058

132.7995,  
144.5644, 160.9060

43.9208, 48.5382,  
54.5461

165.9507,  
180.2146, 200.2749

30.8059, 34.2533,  
38.6422

204.2053,  
221.2910, 245.5924

20.6022, 23.0883,  
26.1758

247.9286,  
268.1780, 297.2771

12.9443, 14.6587,  
16.7283

297.4859,  
321.2600, 355.7475

7.4669, 8.5802,  
9.8811

353.2426,

3.8047, 4.4684,

380.9215, 421.4222

5.2156

415.5640,  
447.5468, 494.7197

■ 1.5923, 1.9389,  
2.3134

■ 0.3874, 0.5716,  
0.7387

■ 80.3456, 88.0052,  
98.3400

■ 80.3456, 88.0052,  
98.3400

■ 73.0100, 84.2486,  
96.9764

■ 88.7854, 92.3357,  
99.7662

■ 66.7248, 81.0309,  
95.6673


■ 90.6193, 93.2582,  
100.8886


■ 61.4428, 78.3303,  
94.4123


■ 90.8193, 93.3382,  
101.9417


■ 57.1104, 76.1190,  
93.2089


■ 91.0206, 93.4187,  
103.0022


 53.6689, 74.3668,  
92.0543


 91.2234, 93.4998,  
104.0700


 51.0533, 73.0402,  
90.9456


 91.4276, 93.5815,  
105.1451


 49.1895, 72.1011,  
89.8791

 91.6332, 93.6637,  
106.2276

 47.9904, 71.5045,  
88.8508

 91.8401, 93.7465,  
107.3175

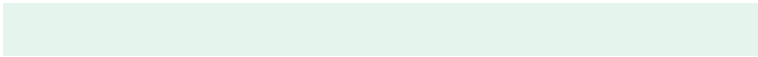
 47.3389, 71.1900,  
87.8553

 91.9440, 93.7881,  
107.8647

# Harmonies

## Analogous

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



80.3577, 88.0052, 93.2178



80.3456, 88.0052, 98.3400



81.2091, 88.0052, 102.9434

# Triad

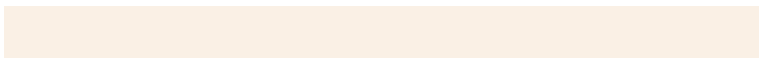
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3456, 88.0052, 98.3400



86.0970, 88.0052, 103.0458



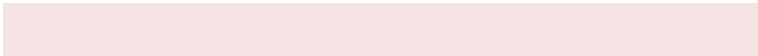
84.5676, 88.0052, 86.5917

# Complementary

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



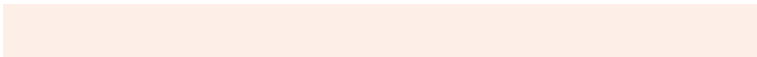
80.3456, 88.0052, 98.3400



78.7209, 79.3537, 83.8449

# 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.



86.1318, 88.0052, 89.0382



80.3456, 88.0052, 98.3400



87.0234, 88.0052, 98.4756

# Square

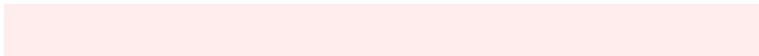
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3456, 88.0052, 98.3400



84.5207, 88.0052, 105.7256



87.0362, 88.0052, 93.3487

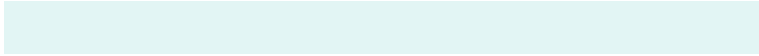


82.7779, 88.0052, 86.5583

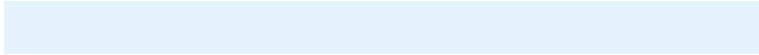


# Rectangle

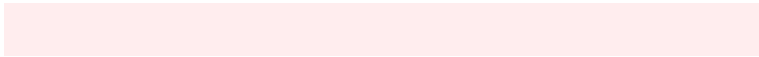
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



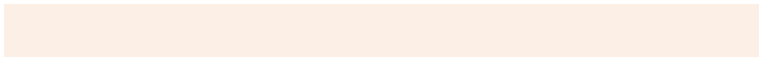
80.3456, 88.0052, 98.3400



82.1724, 88.0052, 105.0467



87.0362, 88.0052, 93.3487



85.1377, 88.0052, 87.1551

# Sweetspot

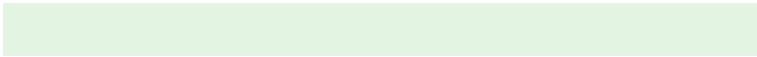
The Sweet Spot groups the original color and five complimentary colors.



80.3481, 88.0089, 98.3419



93.1552, 99.0282, 108.5851



78.1452, 87.1738, 84.6605



19.9589, 21.2063, 23.2450



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

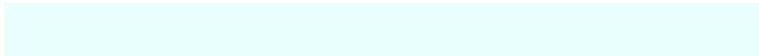


# Same Dimension

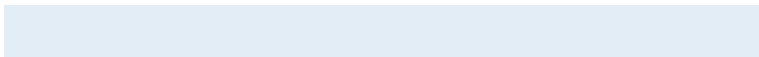
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3481, 88.0089, 98.3419



86.9104, 95.8263, 107.5036



78.0647, 83.1976, 98.3348



16.9567, 18.7418, 21.0562



25.4586, 38.3283, 47.2960



2.2489, 3.3732, 4.2168



# Inverse Universe

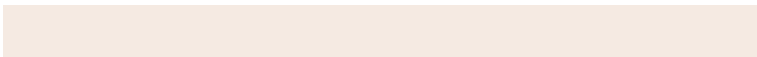
The Inverse Universe completely reimagines the original color for something new.



78.7209, 79.3537, 83.8449



84.8562, 84.8996, 89.2021



80.8761, 83.8851, 83.8818



16.5346, 16.4967, 17.2958



20.3400, 10.4794, 1.2330

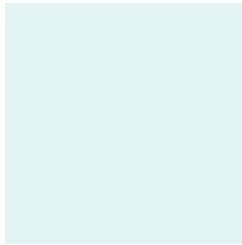


1.7999, 0.9259, 0.1728



# Previews

## White Background



This preview shows how the XYZ color 80.3456, 88.0052, 98.3400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

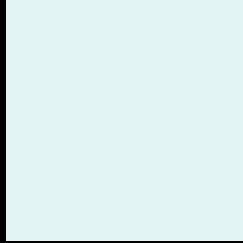
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3456, 88.0052, 98.3400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

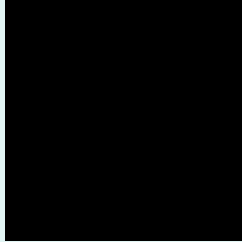
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

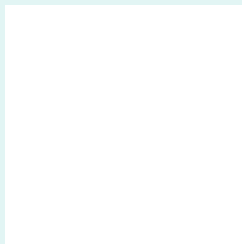
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.3456, 88.0052, 98.3400

## Background



This preview shows how black text looks on a background with the XYZ color 80.3456, 88.0052, 98.3400.



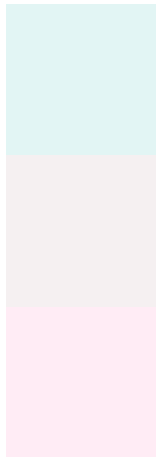
This preview shows how white text looks on a background with the XYZ color 80.3456, 88.0052,

98.3400.

# 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

80.3456, 88.0052, 98.3400

### Protanopia

84.6935, 88.0835, 95.7571

### Deuteranopia

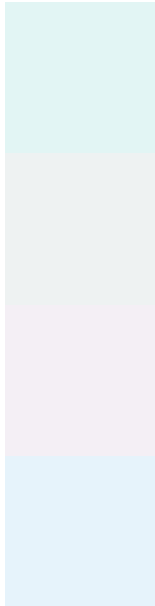
87.7169, 87.8435, 98.7185



## Tritanopia

83.4064, 88.0479, 107.2067

# Trichromacy



## Original Color

80.3456, 88.0052, 98.3400

## Protanomaly

83.0390, 88.0922, 96.6313

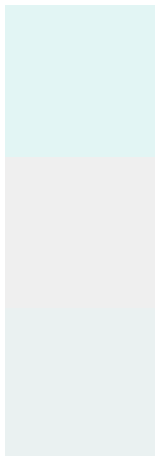
## Deuteranomaly

84.6562, 87.5587, 98.8249

## Tritanomaly

82.0963, 87.8892, 103.9042

# Monochromacy



## Original Color

80.3456, 88.0052, 98.3400

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.2642, 86.7539, 95.6812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3456, 88.0052, 98.3400 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, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 245, 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, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 245, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3456, 88.0052, 98.3400 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, 245, 244) }
```



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

```
.border{ border-color:rgb(226, 245, 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, 245, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 245,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3456, 88.0052, 98.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 245, 244) }
```

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

```
.background{ background-color: rgb(226,  
245, 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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