

# Converting Colors

XYZ(80.4255, 88.6501, 99.8709)

Have a look what the booklet for  
XYZ(80.4255, 88.6501, 99.8709)  
contains.

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# Color

**XYZ(80.3308, 88.4126,  
100.0202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F6F6
RGB	224, 246, 246
RGB Percent	88%, 96%, 96%
CMY	0.1216, 0.0353, 0.0353
CMYK	0.09, 0.00, 0.00, 0.04
HSL	180°, 55%, 92%
HSV	180°, 9%, 96%
XYZ	80.3308, 88.4126, 100.0202
YIQ	239.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

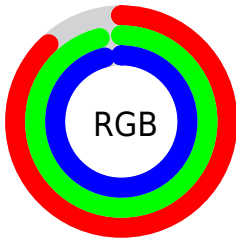
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 235, 246
Decimal	14743286
CIE Lab	95.33, -7.15, -2.46
CIE LCh	95, 7.567, 198.999
Yxy	88.4126, 0.2989, 0.3290
Android (android.graphics.Color)	4292933366 (0xFFE0F6F6)
YUV	239.4220, 3.2430, -13.5251
Hunter-Lab	94.0280, -12.0513, 2.7511

# Details

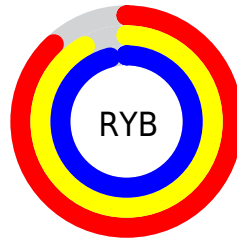
The XYZ color **80.3308, 88.4126, 100.0202** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1195, 78.2884, 81.5190**, and the grayscale version is **82.3578, 86.6468, 94.3584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0699, 48.9796, 55.8465** is the 20% darker color. If you saturate the color by 10%, you get **73.2515, 84.7656, 99.6875**, and if you desaturate by 10%, it is **88.5183, 92.6357, 100.4084**.

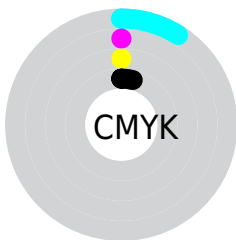
# Distribution



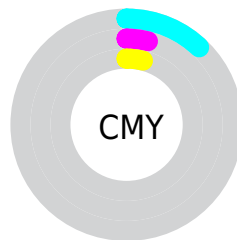
- Red (88%)
- Green (96%)
- Blue (96%)



- Red (88%)
- Yellow (92%)
- Blue (96%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3308, 88.4126, 100.0202 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 80.3308, 88.4126, 100.0202 by changing the saturation by 10% instead.



80.3308, 88.4126,  
100.0202

80.3308, 88.4126,  
100.0202

484.7665,  
522.8535, 581.5047

60.3000, 66.6648,  
75.7004

132.7788,  
145.1314, 163.2371

43.9109, 48.8123,  
55.6817

165.9267,  
180.8713, 202.9712

30.7981, 34.4706,  
39.5455

204.1777,  
222.0440, 248.6806

20.5962, 23.2554,  
26.8733

247.8972,  
269.0339, 300.7838

12.9399, 14.7822,  
17.2465

297.4504,  
322.2254, 359.6992

7.4639, 8.6667,  
10.2466

353.2028,

3.8028, 4.5244,

382.0029, 425.8455

5.4550

415.5197,  
448.7508, 499.6411

■ 1.5912, 1.9710,  
2.4533

■ 0.3866, 0.5906,  
0.8152

■ 80.3308, 88.4126,  
100.0202

■ 80.3308, 88.4126,  
100.0202

■ 73.2515, 84.7656,  
99.6875

■ 88.5183, 92.6357,  
100.4084

■ 67.2255, 81.6591,  
99.4022

■ 90.8334, 93.8292,  
100.5200

■ 62.2049, 79.0710,  
99.1641

■ 90.8340, 93.8294,  
100.5233

■ 58.1350, 76.9730,  
98.9703

■ 90.8347, 93.8297,  
100.5266

■ 54.9559, 75.3341,  
98.8183

■ 90.8353, 93.8299,  
100.5298

■ 52.6008, 74.1201,  
98.7049

■ 90.8359, 93.8302,  
100.5331

■ 50.9937, 73.2917,  
98.6264

■ 90.8365, 93.8304,  
100.5364

■ 50.0445, 72.8024,  
98.5788

■ 90.8371, 93.8307,  
100.5396

■ 49.6191, 72.5832,  
98.5556

■ 90.8378, 93.8309,  
100.5429

# Harmonies

## Analogous

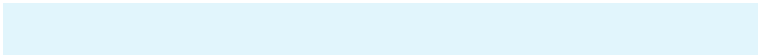
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1916, 88.4126, 94.1102



80.3308, 88.4126, 100.0202



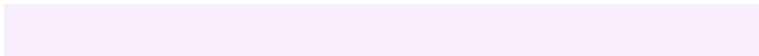
81.4525, 88.4126, 105.1160

# Triad

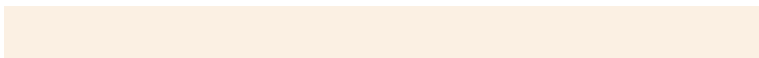
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3308, 88.4126, 100.0202



87.0693, 88.4126, 103.9299



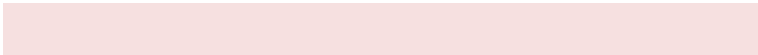
84.7943, 88.4126, 85.5182

# Complementary

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



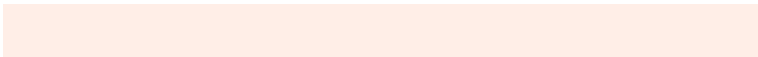
80.3308, 88.4126, 100.0202



78.1195, 78.2884, 81.5190

# 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.



86.6685, 88.4126, 87.9277



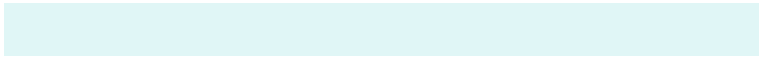
80.3308, 88.4126, 100.0202



87.9962, 88.4126, 98.4551

# Square

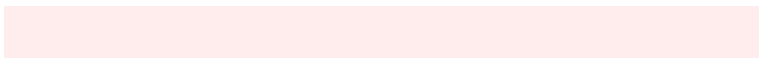
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3308, 88.4126, 100.0202



85.3343, 88.4126, 107.4365



87.8483, 88.4126, 92.6075



82.7461, 88.4126, 85.8985

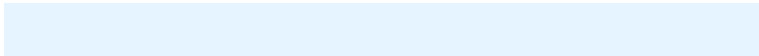


# Rectangle

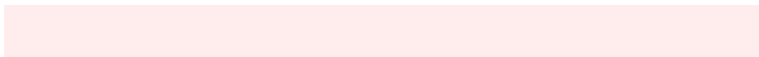
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3308, 88.4126, 100.0202



82.6170, 88.4126, 107.2902



87.8483, 88.4126, 92.6075



85.4662, 88.4126, 86.0246

# Sweetspot

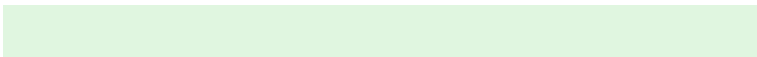
The Sweet Spot groups the original color and five complimentary colors.



80.3333, 88.4163, 100.0222



92.2911, 98.5778, 108.7698



77.2672, 87.2030, 83.2820



19.6003, 21.0204, 23.2740



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

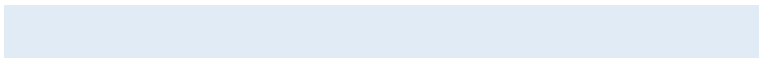
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3333, 88.4163, 100.0222



85.4720, 95.0625, 108.4479



77.1910, 82.1308, 98.9775



16.9967, 18.7578, 21.2667



26.4662, 38.7313, 52.6019

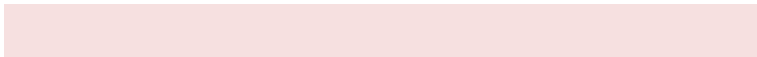


2.3262, 3.4041, 4.6234

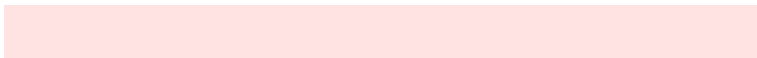


# Inverse Universe

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



78.1195, 78.2884, 81.5190



82.5543, 81.7144, 84.0616



81.0672, 84.1847, 82.4991



16.4993, 16.4826, 17.1100



20.2863, 10.4580, 0.9503

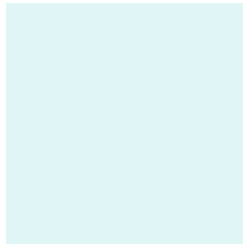


1.7830, 0.9192, 0.0837



# Previews

## White Background



This preview shows how the XYZ color 80.3308, 88.4126, 100.0202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

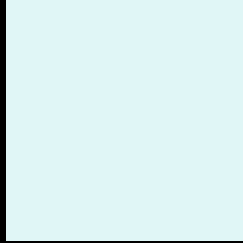
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.3308, 88.4126, 100.0202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

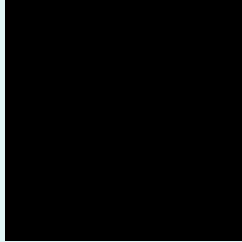
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

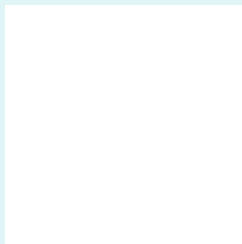
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.3308, 88.4126, 100.0202

## Background



This preview shows how black text looks on a background with the XYZ color 80.3308, 88.4126, 100.0202.



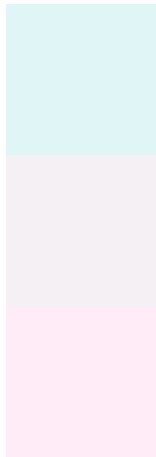
This preview shows how white text looks on a background with the XYZ color 80.3308, 88.4126,



# 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

80.3308, 88.4126, 100.0202

### Protanopia

84.9939, 88.2037, 97.3394

### Deuteranopia

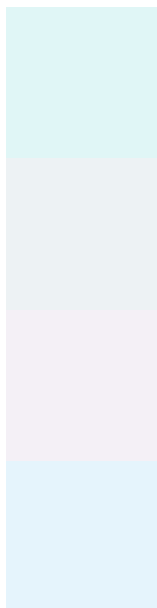
87.8700, 87.9047, 99.5248



## **Tritanopia**

83.3793, 88.4770, 107.2909

# Trichromacy



## Original Color

80.3308, 88.4126, 100.0202

## Protanomaly

83.0063, 88.0404, 98.2066

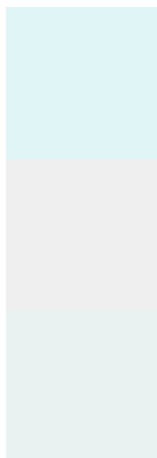
## Deuteranomaly

85.1029, 88.2071, 99.7290

## Tritanomaly

82.2345, 88.3877, 104.8218

# Monochromacy



## Original Color

80.3308, 88.4126, 100.0202

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.7108, 87.4075, 96.5691

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.3308, 88.4126, 100.0202 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(224, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(224, 246, 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(224, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 246, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 80.3308, 88.4126, 100.0202 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(224, 246, 246) }
```



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

```
.border{ border-color:rgb(224, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(224, 246,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.3308, 88.4126, 100.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 246, 246) }
```

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

```
.background{ background-color: rgb(224,  
246, 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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