

# Converting Colors

XYZ(82.7663, 88.7902, 99.1636)

Have a look what the booklet for  
XYZ(82.7663, 88.7902, 99.1636)  
contains.

<b>XYZ(82.7638, 88.7864, 99.1616)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.7638, 88.7864,  
99.1616)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAF4F5
RGB	234, 244, 245
RGB Percent	92%, 96%, 96%
CMY	0.0823, 0.0431, 0.0392
CMYK	0.04, 0.00, 0.00, 0.04
HSL	185°, 35%, 94%
HSV	185°, 4%, 96%
XYZ	82.7638, 88.7864, 99.1616
YIQ	241.1240, -6.2810, -1.8090

# Conversions

## Conversions Part 2

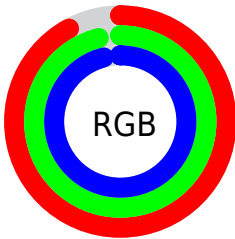
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 239, 245
Decimal	15398133
CIE Lab	95.49, -3.10, -1.64
CIE LCh	95, 3.509, 207.777
Yxy	88.7864, 0.3057, 0.3280
Android (android.graphics.Color)	4293588213 (0xFFEAF4F5)
YUV	241.1240, 1.9109, -6.2477
Hunter-Lab	94.2265, -8.1111, 3.5633

# Details

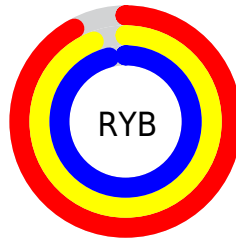
The XYZ color **82.7638, 88.7864, 99.1616** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2160, 84.7688, 89.8720**, and the grayscale version is **83.6979, 88.0567, 95.8937**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5286, 49.1055, 55.2228** is the 20% darker color. If you saturate the color by 10%, you get **74.6071, 83.5989, 98.5916**, and if you desaturate by 10%, it is **90.7457, 93.9007, 99.7294**.

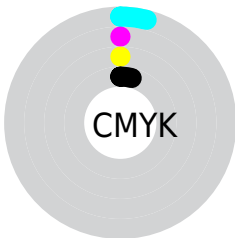
# Distribution



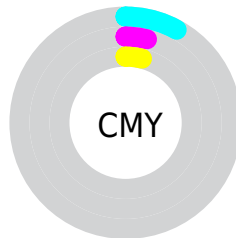
- Red (92%)
- Green (96%)
- Blue (96%)



- Red (92%)
- Yellow (94%)
- Blue (96%)



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



- Cyan (8%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7638, 88.7864, 99.1616 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 82.7638, 88.7864, 99.1616 by changing the saturation by 10% instead.



82.7638, 88.7864,  
99.1616

82.7638, 88.7864,  
99.1616

492.7948,  
524.0751, 578.7250

62.3116, 66.9745,  
74.9876

136.1748,  
145.6515, 162.0464

45.5411, 49.0639,  
55.1010

169.8644,  
181.4735, 201.5942

32.0869, 34.6702,  
39.0835

208.6970,  
222.7344, 247.1037

21.5838, 23.4089,  
26.5163

253.0382,  
269.8185, 298.9933

13.6663, 14.8958,  
16.9811

303.2532,  
323.1102, 357.6818

7.9691, 8.7463,  
10.0592

359.7074,

4.1268, 4.5760,

382.9940, 423.5875

5.3321

422.7661,  
449.8541, 497.1291

■ 1.7741, 2.0007,  
2.3813

■ 0.5020, 0.6079,  
0.7762

■ 82.7638, 88.7864,  
99.1616

■ 82.7638, 88.7864,  
99.1616

■ 74.6071, 83.5989,  
98.5916

■ 90.7457, 93.9007,  
99.7294

■ 67.5229, 78.9736,  
98.0722

■ 91.4254, 95.2600,  
99.9560

■ 61.4650, 74.8894,  
97.6031

■ 92.1131, 96.6355,  
100.1852

■ 56.3812, 71.3191,  
97.1819

■ 92.8090, 98.0273,  
100.4172

■ 52.2148, 68.2334,  
96.8059

■ 93.4817, 99.3727,  
100.6414

■ 48.9028, 65.6000,  
96.4722

■ 46.3744, 63.3822,  
96.1774

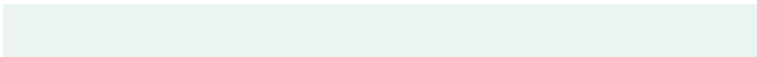
■ 44.5475, 61.5377,  
95.9176

■ 43.3213, 60.0144,  
95.6883

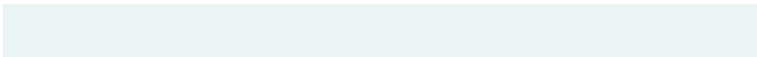
# Harmonies

## Analogous

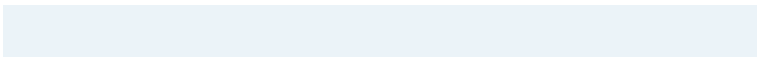
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5551, 88.7864, 96.4681



82.7638, 88.7864, 99.1616



83.4070, 88.7864, 101.2216

# Triad

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



82.7638, 88.7864, 99.1616



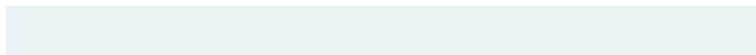
85.9623, 88.7864, 99.5238



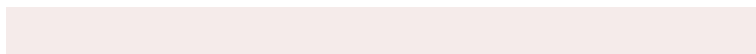
84.4605, 88.7864, 91.4790

# Complementary

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



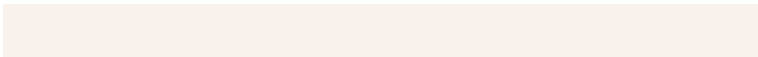
82.7638, 88.7864, 99.1616



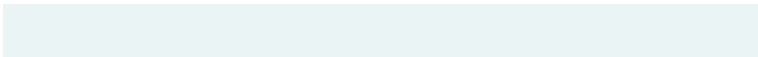
82.2160, 84.7688, 89.8720

# Split Complementary

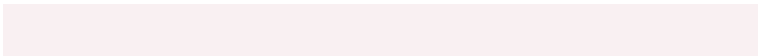
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3783, 88.7864, 92.2633



82.7638, 88.7864, 99.1616



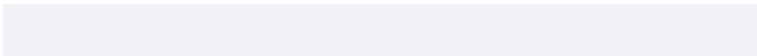
86.2495, 88.7864, 96.8788

# Square

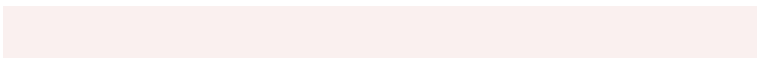
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7638, 88.7864, 99.1616



85.2532, 88.7864, 101.4335



86.0350, 88.7864, 94.2270

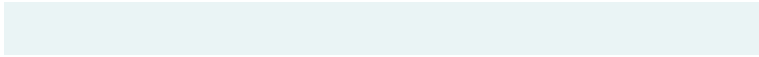


83.5302, 88.7864, 92.0644

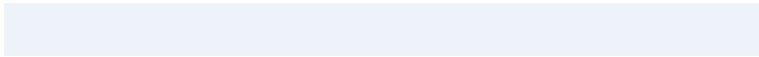


# Rectangle

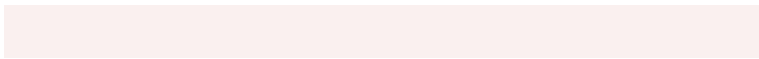
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7638, 88.7864, 99.1616



83.9980, 88.7864, 101.9403



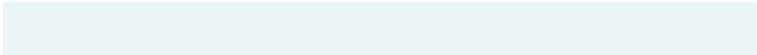
86.0350, 88.7864, 94.2270



84.7808, 88.7864, 91.5909

# Sweetspot

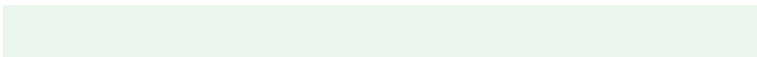
The Sweet Spot groups the original color and five complimentary colors.



82.7663, 88.7902, 99.1636



94.0444, 99.3723, 108.8318



81.5688, 88.7920, 91.3749



20.1400, 21.2764, 23.2952



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

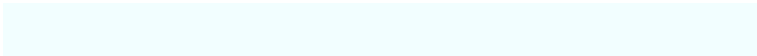


# Same Dimension

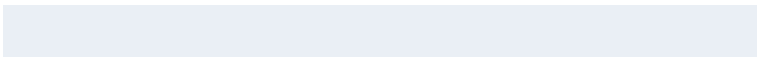
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7663, 88.7902, 99.1636



90.1466, 96.9271, 108.5653



81.1591, 85.5757, 98.6278



17.5423, 18.9178, 21.2695



23.1216, 32.0370, 51.5031



2.0690, 2.8894, 4.5389



# Inverse Universe

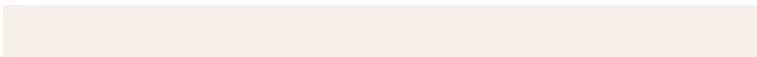
The Inverse Universe completely reimagines the original color for something new.



83.4101, 84.7914, 97.5627



90.9312, 92.0590, 106.6128



83.7917, 87.9202, 90.3972



17.7164, 17.8397, 20.8360



27.4752, 13.3335, 38.8065

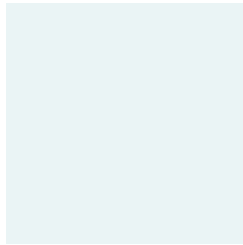


2.4334, 1.1793, 3.5086



# Previews

## White Background



This preview shows how the XYZ color 82.7638, 88.7864, 99.1616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

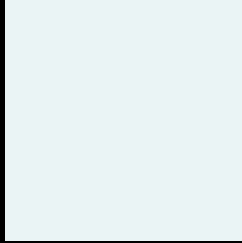
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7638, 88.7864, 99.1616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

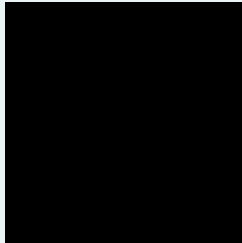
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

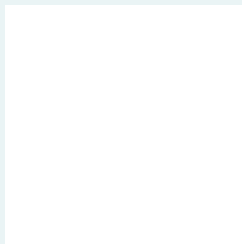
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.7638, 88.7864, 99.1616**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7638, 88.7864, 99.1616.



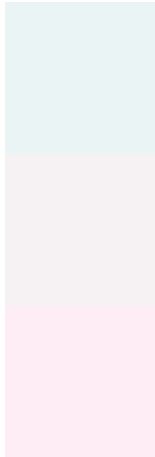
This preview shows how white text looks on a background with the XYZ color 82.7638, 88.7864,

99.1616.

# 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

82.7638, 88.7864, 99.1616

### Protanopia

85.6390, 88.9745, 97.4542

### Deuteranopia

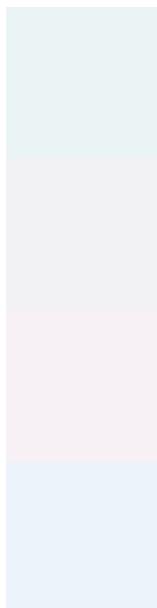
88.0056, 88.4209, 98.8148



## Tritanopia

85.0620, 88.9014, 107.2842

# Trichromacy



## Original Color

82.7638, 88.7864, 99.1616

## Protanomaly

84.6992, 88.9132, 98.2858

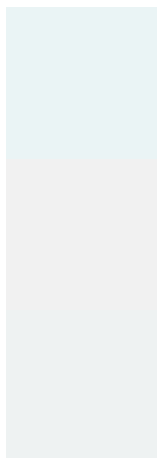
## Deuteranomaly

85.9993, 88.6869, 98.9718

## Tritanomaly

84.3882, 89.0707, 104.0114

# Monochromacy



## Original Color

82.7638, 88.7864, 99.1616

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.0390, 88.0922, 96.6313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7638, 88.7864, 99.1616 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(234, 244, 245) looks like.

```
.text, #text, p{  
    color:rgb(234, 244, 245)  
}
```

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(234, 244, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 244, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7638, 88.7864, 99.1616 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(234, 244, 245) }
```



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

```
.border{ border-color:rgb(234, 244, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 244, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 244, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 244, 245);  
box-shadow:4px 4px 4px 4px rgb(234, 244,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7638, 88.7864, 99.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 244, 245) }
```

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

```
.background{ background-color: rgb(234,  
244, 245) }
```

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