

# Converting Colors

XYZ(82.1599, 88.0647, 97.4619)

Have a look what the booklet for  
XYZ(82.1599, 88.0647, 97.4619)  
contains.

|  |    |
|--|----|
| <b>XYZ(82.1599, 88.0647, 97.4619)</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(82.1599, 88.0647,  
97.4619)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | EAF3F3                     |
| RGB         | 234, 243, 243              |
| RGB Percent | 92%, 95%, 95%              |
| CMY         | 0.0823, 0.0470, 0.0471     |
| CMYK        | 0.04, 0.00, 0.00, 0.05     |
| HSL         | 180°, 27%, 94%             |
| HSV         | 180°, 4%, 95%              |
| XYZ         | 82.1599, 88.0647, 97.4619  |
| YIQ         | 240.3090, -5.3640, -1.9080 |

# Conversions

## Conversions Part 2

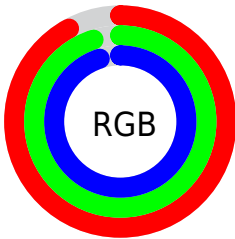
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 234, 239, 243                |
| Decimal                             | 15397875                     |
| CIE Lab                             | 95.19, -2.96, -1.04          |
| CIE LCh                             | 95, 3.142, 199.401           |
| Yxy                                 | 88.0647, 0.3069,<br>0.3290   |
| Android<br>(android.graphics.Color) | 4293587955<br>(0xFFEAF3F3)   |
| YUV                                 | 240.3090, 1.3267,<br>-5.5330 |
| Hunter-Lab                          | 93.8428, -7.9471,<br>4.1134  |

# Details

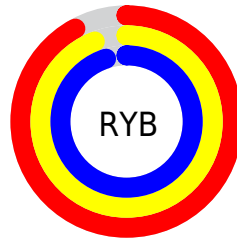
The XYZ color **82.1599, 88.0647, 97.4619** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.2395, 83.8431, 89.7477**, and the grayscale version is **83.0615, 87.3872, 95.1647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1001, 48.5935, 54.0162** is the 20% darker color. If you saturate the color by 10%, you get **74.7219, 84.2329, 97.1071**, and if you desaturate by 10%, it is **89.4719, 91.8364, 97.8145**.

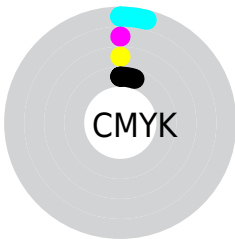
# Distribution



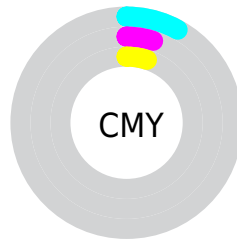
- Red (92%)
- Green (95%)
- Blue (95%)



- Red (92%)
- Yellow (94%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1599, 88.0647, 97.4619 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 82.1599, 88.0647, 97.4619 by changing the saturation by 10% instead.



82.1599, 88.0647,  
97.4619

82.1599, 88.0647,  
97.4619

490.8088,  
521.7151, 573.2013

61.8119, 66.3767,  
73.5775

135.3329,  
144.6472, 159.6862

45.1358, 48.5782,  
53.9536

168.8885,  
180.3105, 198.8632

31.7661, 34.2850,  
38.1717

207.5775,  
221.4010, 243.9748

21.3376, 23.1126,  
25.8131

251.7651,  
268.3030, 295.4396

13.4849, 14.6767,  
16.4594

301.8166,  
321.4011, 353.6761

7.8426, 8.5928,  
9.6919

358.0975,

4.0453, 4.4766,

381.0795, 419.1028

5.0923

420.9731,  
447.7227, 492.1384

■ 1.7278, 1.9436,  
2.2418

■ 0.4736, 0.5744,  
0.6983

■ 82.1599, 88.0647,  
97.4619

■ 82.1599, 88.0647,  
97.4619

■ 74.7219, 84.2329,  
97.1071

■ 89.4719, 91.8364,  
97.8145

■ 68.3313, 80.9386,  
96.7994


■ 89.4735, 91.8371,  
97.8231


■ 62.9434, 78.1612,  
96.5387


■ 89.4751, 91.8377,  
97.8318


■ 58.5073, 75.8746,  
96.3225


■ 89.4768, 91.8384,  
97.8404


 54.9677, 74.0500,  
96.1483


 89.4784, 91.8390,  
97.8491


 52.2636, 72.6562,  
96.0132


 89.4801, 91.8397,  
97.8577


 50.3264, 71.6577,  
95.9140

 89.4817, 91.8404,  
97.8664

 49.0766, 71.0136,  
95.8469

 89.4833, 91.8410,  
97.8750

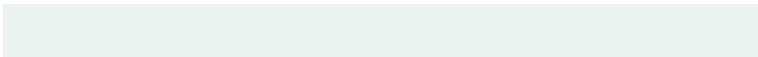
 48.4173, 70.6739,  
95.8075

 89.4850, 91.8417,  
97.8837

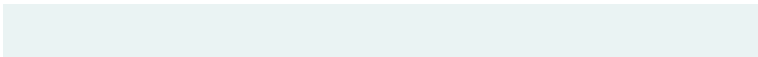
# Harmonies

## Analogous

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



82.0953, 88.0647, 95.0230



82.1599, 88.0647, 97.4619



82.6363, 88.0647, 99.5115

# Triad

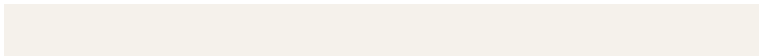
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1599, 88.0647, 97.4619



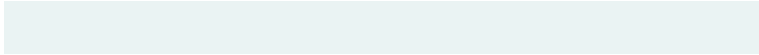
84.9589, 88.0647, 98.9880



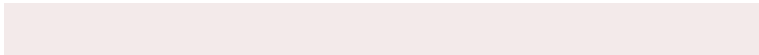
84.0060, 88.0647, 91.3281

# Complementary

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



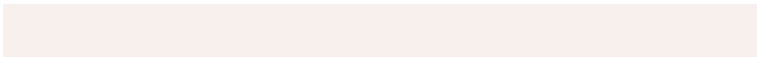
82.1599, 88.0647, 97.4619



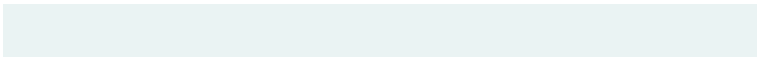
81.2395, 83.8431, 89.7477

# Split Complementary

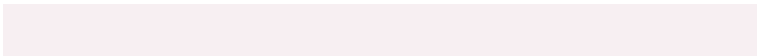
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7786, 88.0647, 92.3526



82.1599, 88.0647, 97.4619



85.3312, 88.0647, 96.7572

# Square

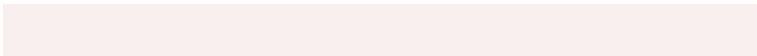
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1599, 88.0647, 97.4619



84.2508, 88.0647, 100.4029



85.2650, 88.0647, 94.3301



83.1573, 88.0647, 91.5095

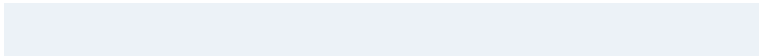


# Rectangle

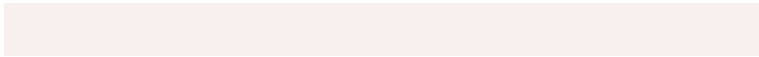
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



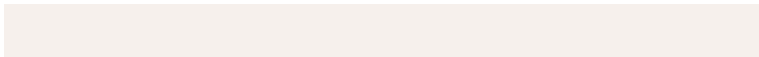
82.1599, 88.0647, 97.4619



83.1251, 88.0647, 100.3681



85.2650, 88.0647, 94.3301



84.2833, 88.0647, 91.5422

# Sweetspot

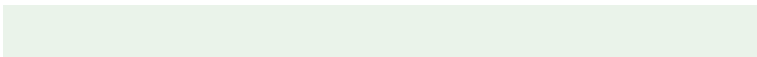
The Sweet Spot groups the original color and five complimentary colors.



82.1624, 88.0684, 97.4638



94.1179, 99.5195, 108.8554



80.8853, 87.5633, 90.4814



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

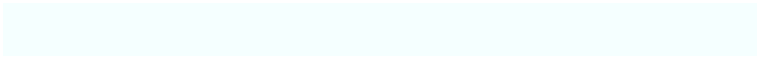


# Same Dimension

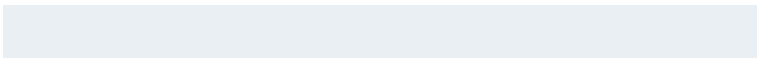
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1624, 88.0684, 97.4638



91.3957, 98.1162, 108.7251



80.8759, 85.4945, 97.0380



17.7860, 19.1647, 21.3034



26.4606, 38.7291, 52.5724



2.3257, 3.4039, 4.6211



# Inverse Universe

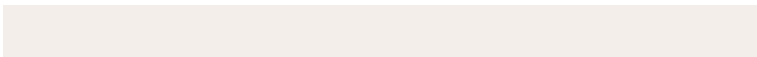
The Inverse Universe completely reimagines the original color for something new.



81.2395, 83.8431, 89.7477



90.2835, 93.0245, 99.4269



82.4932, 86.3515, 90.1627



17.5294, 17.9898, 19.1578



20.2866, 10.4581, 0.9518

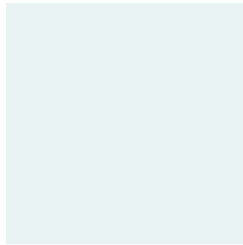


1.7831, 0.9192, 0.0842



# Previews

## White Background



This preview shows how the XYZ color 82.1599, 88.0647, 97.4619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

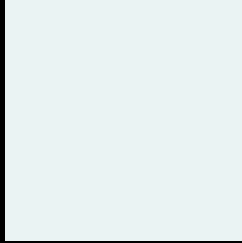
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.1599, 88.0647, 97.4619 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

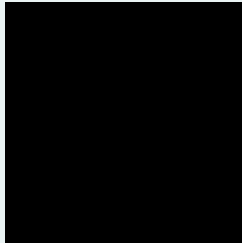
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

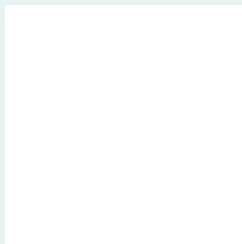
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.1599, 88.0647, 97.4619**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.1599, 88.0647, 97.4619.



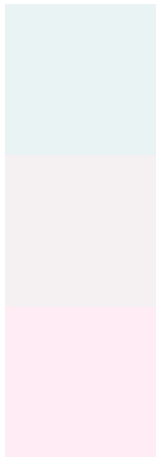
This preview shows how white text looks on a background with the XYZ color 82.1599, 88.0647,

97.4619.

# 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

82.1599, 88.0647, 97.4619

### Protanopia

84.6935, 88.0835, 95.7571

### Deuteranopia

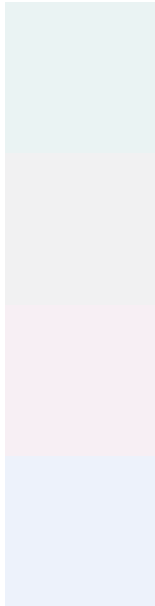
87.5646, 87.7826, 97.9165



## Tritanopia

84.7652, 88.3077, 107.1852

# Trichromacy



## Original Color

82.1599, 88.0647, 97.4619

## Protanomaly

83.7579, 88.0222, 96.5799

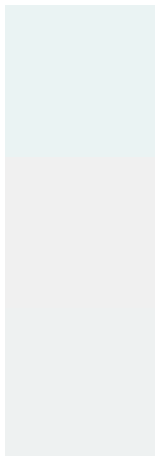
## Deuteranomaly

85.5534, 88.0388, 98.0720

## Tritanomaly

84.0898, 88.4738, 103.9119

# Monochromacy



## Original Color

82.1599, 88.0647, 97.4619

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

82.5924, 87.4386, 95.7433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.1599, 88.0647, 97.4619 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, 243, 243) looks like.

```
.text, #text, p{  
    color:rgb(234, 243, 243)  
}
```

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, 243, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 243, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 82.1599, 88.0647, 97.4619 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, 243, 243) }
```



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

```
.border{ border-color:rgb(234, 243, 243) }
```

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

Here you see how a box with a 4 pixel rgb(234, 243, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 243, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 243, 243);  
box-shadow:4px 4px 4px 4px rgb(234, 243,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.1599, 88.0647, 97.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 243, 243) }
```

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

```
.background{ background-color: rgb(234,  
243, 243) }
```

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