

# Converting Colors

XYZ(82.3830, 89.1603, 89.6293)

Have a look what the booklet for  
XYZ(82.3830, 89.1603, 89.6293)  
contains.

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# Color

**XYZ(82.6203, 89.3652,  
89.9854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF5E9
RGB	238, 245, 233
RGB Percent	93%, 96%, 91%
CMY	0.0667, 0.0392, 0.0863
CMYK	0.03, 0.00, 0.05, 0.04
HSL	95°, 38%, 94%
HSV	95°, 5%, 96%
XYZ	82.6203, 89.3652, 89.9854
YIQ	241.5390, -0.3200, -5.2160

# Conversions

## Conversions Part 2

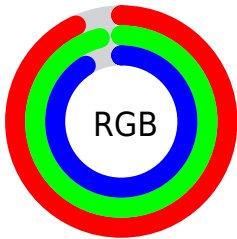
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 245, 240
Decimal	15660521
CIE Lab	95.73, -4.42, 4.96
CIE LCh	96, 6.642, 131.746
Yxy	89.3652, 0.3154, 0.3411
Android (android.graphics.Color)	4293850601 (0xFFEEF5E9)
YUV	241.5390, -4.2097, -3.1037
Hunter-Lab	94.5332, -9.4272, 9.7355

# Details

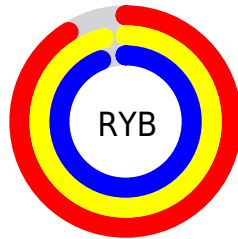
The XYZ color **82.6203, 89.3652, 89.9854** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.5590, 83.3981, 98.1897**, and the grayscale version is **84.0684, 88.4465, 96.3183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4248, 49.5146, 48.7581** is the 20% darker color. If you saturate the color by 10%, you get **74.7503, 85.6874, 72.5978**, and if you desaturate by 10%, it is **90.9569, 93.2794, 107.8185**.

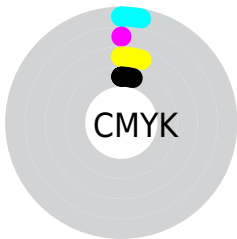
# Distribution



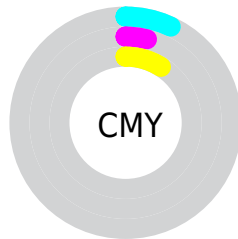
- Red (93%)
- Green (96%)
- Blue (91%)



- Red (91%)
- Yellow (96%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6203, 89.3652, 89.9854 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 82.6203, 89.3652, 89.9854 by changing the saturation by 10% instead.



82.6203, 89.3652,  
89.9854

82.6203, 89.3652,  
89.9854

492.3233,  
525.9637, 548.5522

62.1928, 67.4543,  
67.3949

135.9748,  
146.4563, 149.2535

45.4447, 49.4539,  
48.9420

169.6326,  
182.4053, 186.7681

32.0106, 34.9797,  
34.2082

208.4311,  
223.8024, 230.0945

21.5252, 23.6472,  
22.7749

252.7358,  
271.0320, 279.6512

13.6231, 15.0721,  
14.2237

302.9120,  
324.4786, 335.8568

7.9389, 8.8700,  
8.1359

359.3251,

4.1074, 4.6565,

384.5264, 399.1298

4.0930

422.3404,  
451.5600, 469.8888

■ 1.7631, 2.0472,  
1.6765

■ 0.4953, 0.6347,  
0.3446

■ 82.6203, 89.3652,  
89.9854

■ 82.6203, 89.3652,  
89.9854

■ 74.7503, 85.6874,  
72.5978

■ 90.9569, 93.2794,  
107.8185

■ 67.7164, 82.3842,  
57.6804

■ 91.9442, 93.7884,  
107.8647

■ 61.4906, 79.4461,  
45.1226

■ 56.0405, 76.8593,  
34.8031

■ 51.3312, 74.6085,  
26.5901

■ 47.3249, 72.6773,  
20.3376

■ 43.9794, 71.0479,  
15.8811

■ 41.2473, 69.6997,  
13.0295

■ 39.0718, 68.6087,  
11.5475

# Harmonies

## Analogous

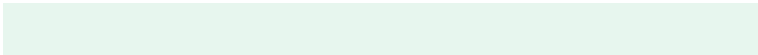
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2255, 89.3652, 87.7780



82.6203, 89.3652, 89.9854



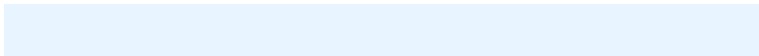
81.6448, 89.3652, 94.1848

# Triad

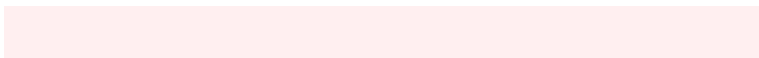
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6203, 89.3652, 89.9854



83.8429, 89.3652, 107.1787



88.4265, 89.3652, 95.2688

# Complementary

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



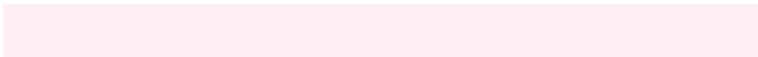
82.6203, 89.3652, 89.9854



81.5590, 83.3981, 98.1897

# 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.



88.3205, 89.3652, 100.4903



82.6203, 89.3652, 89.9854



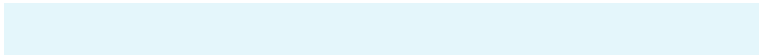
85.6564, 89.3652, 107.4944

# Square

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



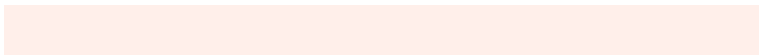
82.6203, 89.3652, 89.9854



82.3437, 89.3652, 104.1603



87.3006, 89.3652, 105.0080



87.5882, 89.3652, 90.7544

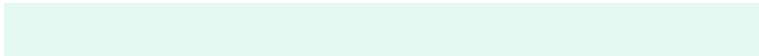


# Rectangle

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



82.6203, 89.3652, 89.9854



81.4743, 89.3652, 97.6106



87.3006, 89.3652, 105.0080



88.5004, 89.3652, 96.9971

# Sweetspot

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



82.6228, 89.3690, 89.9873



94.0968, 99.5557, 106.7265



83.5278, 87.6194, 89.6019



20.1506, 21.3137, 22.8668



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

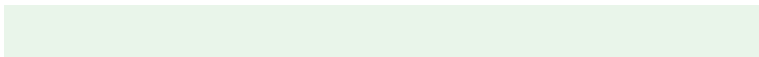
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6228, 89.3690, 89.9873



89.4751, 97.3994, 96.2887



81.1106, 88.5729, 90.6648



17.4265, 19.0383, 18.6258



20.6942, 36.7810, 6.0088



1.9330, 3.2915, 0.5335



# Inverse Universe

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



81.5590, 83.3981, 98.1897



88.0561, 89.4350, 107.2294



83.1276, 84.2243, 97.4680



17.1207, 17.3219, 20.9837



15.1387, 6.7786, 47.0485

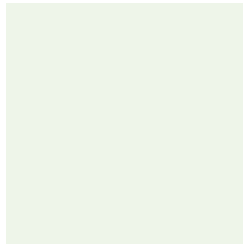


1.4474, 0.6560, 4.1406



# Previews

## White Background



This preview shows how the XYZ color 82.6203, 89.3652, 89.9854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

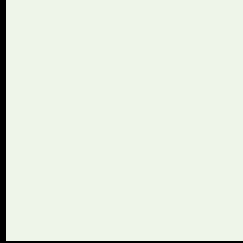
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6203, 89.3652, 89.9854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

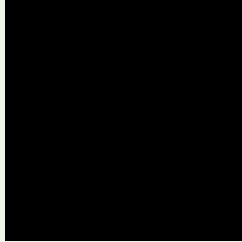
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

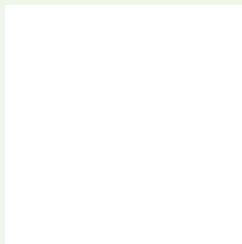
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.6203, 89.3652, 89.9854

## Background



This preview shows how black text looks on a background with the XYZ color 82.6203, 89.3652, 89.9854.



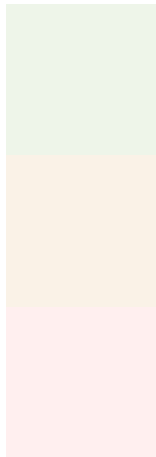
This preview shows how white text looks on a background with the XYZ color 82.6203, 89.3652,

89.9854.

# 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

82.6203, 89.3652, 89.9854

### Protanopia

85.6003, 89.5978, 88.3838

### Deuteranopia

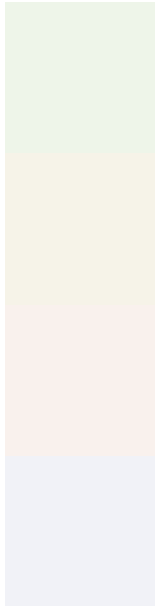
87.6865, 89.2250, 94.2619



## Tritanopia

86.1232, 89.0078, 107.2488

# Trichromacy



## Original Color

82.6203, 89.3652, 89.9854

## Protanomaly

84.6221, 89.5202, 89.1630

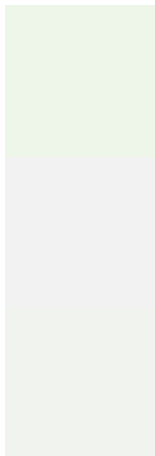
## Deuteranomaly

85.8083, 89.1648, 92.8087

## Tritanomaly

84.8163, 88.9204, 100.6888

# Monochromacy



## Original Color

82.6203, 89.3652, 89.9854

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.9062, 89.0340, 94.4243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6203, 89.3652, 89.9854 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(238, 245, 233) looks like.

```
.text, #text, p{  
    color:rgb(238, 245, 233)  
}
```

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(238, 245, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 245, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6203, 89.3652, 89.9854 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(238, 245, 233) }
```



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

```
.border{ border-color:rgb(238, 245, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 245, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 245, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 245, 233);  
box-shadow:4px 4px 4px 4px rgb(238, 245,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6203, 89.3652, 89.9854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 245, 233) }
```

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

```
.background{ background-color: rgb(238,  
245, 233) }
```

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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