

# Converting Colors

XYZ(81.1313, 84.3441, 88.7656)

Have a look what the booklet for XYZ(81.1313, 84.3441, 88.7656) contains.

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# **Color**

**XYZ(81.0343, 84.1771,  
89.0676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2EBE9
RGB	242, 235, 233
RGB Percent	95%, 92%, 91%
CMY	0.0510, 0.0784, 0.0863
CMYK	0.00, 0.03, 0.04, 0.05
HSL	13°, 26%, 93%
HSV	13°, 4%, 95%
XYZ	81.0343, 84.1771, 89.0676
YIQ	236.8650, 4.8140, 0.8620

# Conversions

## Conversions Part 2

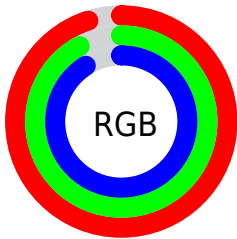
Format	Color
R <sub>Y</sub> B	242, 236, 233
Decimal	15920105
CIE Lab	93.53, 2.01, 1.79
CIE LCh	94, 2.694, 41.739
Yxy	84.1771, 0.3187, 0.3310
Android (android.graphics.Color)	4294110185 (0xFF2E9)
YUV	236.8650, -1.9054, 4.5034
Hunter-Lab	91.7481, -2.9033, 6.6659

# Details

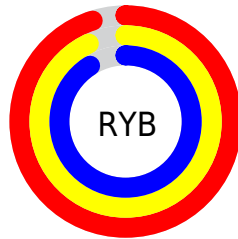
The XYZ color **81.0343, 84.1771, 89.0676** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7914, 86.0535, 96.3574**, and the grayscale version is **80.4061, 84.5935, 92.1223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3056, 45.8536, 48.1105** is the 20% darker color. If you saturate the color by 10%, you get **72.7083, 72.6826, 70.3898**, and if you desaturate by 10%, it is **90.0522, 96.8650, 108.5583**.

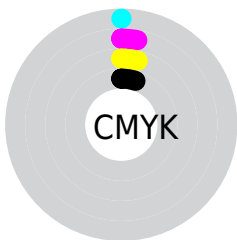
# Distribution



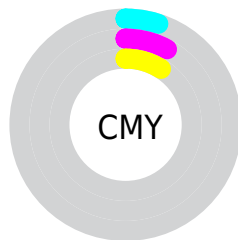
- Red (95%)
- Green (92%)
- Blue (91%)



- Red (95%)
- Yellow (93%)
- Blue (91%)



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



- Cyan (5%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0343, 84.1771, 89.0676 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 81.0343, 84.1771, 89.0676 by changing the saturation by 10% instead.



81.0343, 84.1771,  
89.0676

81.0343, 84.1771,  
89.0676

487.0953,  
508.9012, 545.4847

60.8812, 63.1617,  
66.6382

133.7618,  
139.2229, 147.9667

44.3815, 45.9720,  
48.3309

167.0670,  
174.0220, 185.2736

31.1697, 32.2237,  
33.7272

205.4869,  
214.1845, 228.3767

20.8806, 21.5324,  
22.4084

249.3870,  
260.0948, 277.6946

13.1487, 13.5138,  
13.9561

299.1325,  
312.1372, 333.6458

7.6087, 7.7833,  
7.9518

355.0888,

3.8953, 3.9566,

370.6961, 396.6489

3.9768

417.6213,  
436.1560, 467.1223

■ 1.6431, 1.6493,  
1.6126

■ 0.4202, 0.3905,  
0.2998

■ 81.0343, 84.1771,  
89.0676

■ 81.0343, 84.1771,  
89.0676

■ 72.7083, 72.6826,  
70.3898

■ 90.0522, 96.8650,  
108.5583

■ 65.3868, 62.4703,  
54.2903

■ 90.4285, 97.6175,  
108.6837

■ 59.0333, 53.4986,  
40.6569

■ 53.6061, 45.7196,  
29.3669

■ 49.0606, 39.0823,  
20.2873

■ 45.3482, 33.5319,  
13.2715

■ 42.4154, 29.0088,  
8.1548

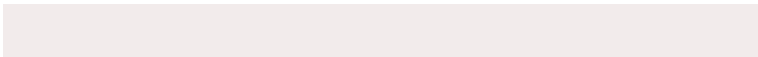
■ 40.2019, 25.4477,  
4.7474

■ 38.6371, 22.7746,  
2.8190

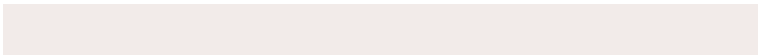
# Harmonies

## Analogous

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



81.3565, 84.1771, 90.8587



81.0343, 84.1771, 89.0676



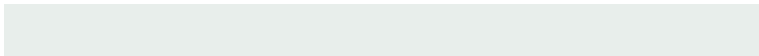
80.4378, 84.1771, 87.9794

# Triad

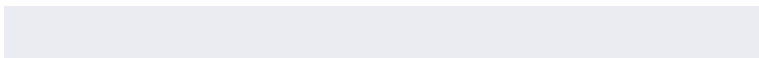
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0343, 84.1771, 89.0676



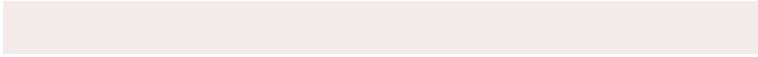
78.7140, 84.1771, 90.4308



80.2868, 84.1771, 95.5494

# Complementary

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



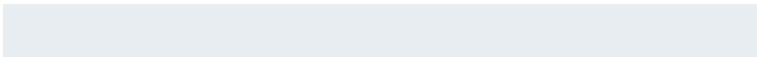
81.0343, 84.1771, 89.0676



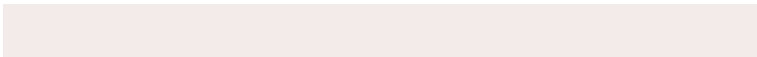
80.7914, 86.0535, 96.3574

# Split Complementary

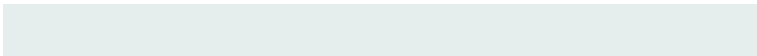
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5793, 84.1771, 95.4307



81.0343, 84.1771, 89.0676



78.6741, 84.1771, 92.4550

# Square

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



81.0343, 84.1771, 89.0676



79.0993, 84.1771, 88.7583



78.9900, 84.1771, 94.2911

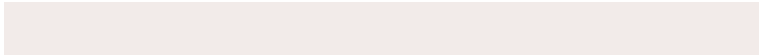


80.9232, 84.1771, 94.6131



# Rectangle

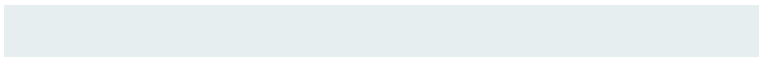
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



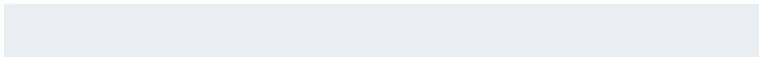
81.0343, 84.1771, 89.0676



79.9663, 84.1771, 87.7890



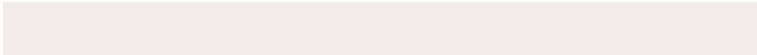
78.9900, 84.1771, 94.2911



80.0494, 84.1771, 95.6319

# Sweetspot

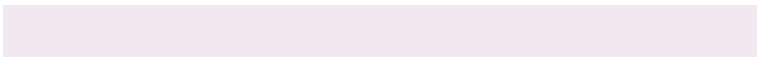
The Sweet Spot groups the original color and five complimentary colors.



81.0367, 84.1807, 89.0694



94.0130, 98.5787, 106.5424



81.4937, 83.4506, 94.2906



20.1336, 21.1149, 22.8293



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.



81.0367, 84.1807, 89.0694



90.9735, 94.4055, 99.6535



82.3256, 86.7586, 89.4991



16.9067, 17.4993, 18.3637



20.4604, 11.7189, 1.1836



1.7740, 1.1187, 0.1224

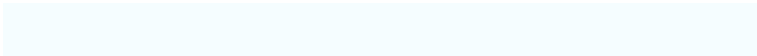


# Inverse Universe

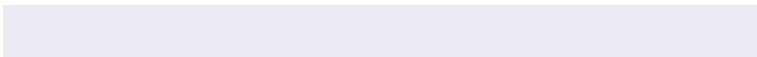
The Inverse Universe completely reimagines the original color for something new.



80.7914, 86.0535, 96.3574



90.6761, 96.6759, 108.4889



79.4986, 83.4678, 95.9265



16.8413, 17.9989, 20.3081



18.3897, 23.0036, 48.5988

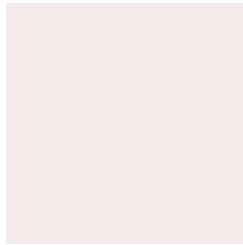


1.6024, 2.0588, 4.0671



# Previews

## White Background



This preview shows how the XYZ color 81.0343, 84.1771, 89.0676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

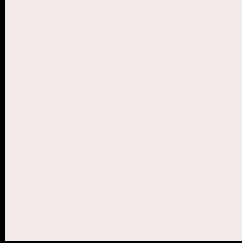
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.0343, 84.1771, 89.0676 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

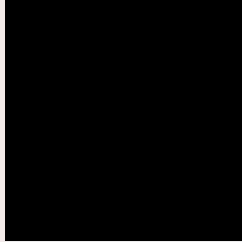
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

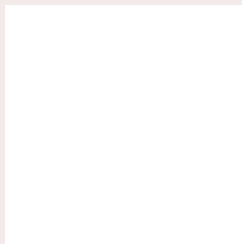
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 81.0343, 84.1771, 89.0676

## Background



This preview shows how black text looks on a background with the XYZ color 81.0343, 84.1771, 89.0676.



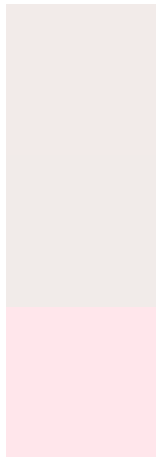
This preview shows how white text looks on a background with the XYZ color 81.0343, 84.1771,

89.0676.

# 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

81.0343, 84.1771, 89.0676

### Protanopia

80.6919, 84.0006, 89.0516

### Deuteranopia

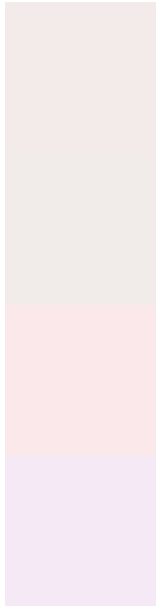
84.5322, 83.8518, 90.3269



## Tritanopia

83.9254, 84.0907, 103.0746

# Trichromacy



## Original Color

81.0343, 84.1771, 89.0676

## Protanomaly

80.6919, 84.0006, 89.0516

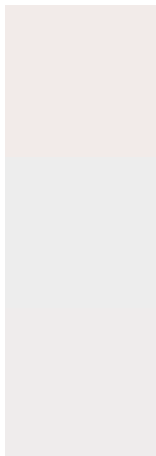
## Deuteranomaly

83.1322, 83.9777, 89.6697

## Tritanomaly

82.7763, 84.0426, 97.4470

# Monochromacy



## Original Color

81.0343, 84.1771, 89.0676

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.7324, 84.3978, 91.3922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.0343, 84.1771, 89.0676 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(242, 235, 233) looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 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(242, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 81.0343, 84.1771, 89.0676 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(242, 235, 233) }
```



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

```
.border{ border-color:rgb(242, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.0343, 84.1771, 89.0676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 233) }
```

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

```
.background{ background-color: rgb(242,  
235, 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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