

# Converting Colors

XYZ(84.5890, 89.1187,  
105.4028)

Have a look what the booklet for  
XYZ(84.5890, 89.1187, 105.4028)  
contains.

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# **Color**

**XYZ(84.7053, 89.1976,  
105.6809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF3FD
RGB	237, 243, 253
RGB Percent	93%, 95%, 99%
CMY	0.0706, 0.0470, 0.0078
CMYK	0.06, 0.04, 0.00, 0.01
HSL	217°, 80%, 96%
HSV	217°, 6%, 99%
XYZ	84.7053, 89.1976, 105.6809
YIQ	242.3460, -6.7860, 1.8380

# Conversions

## Conversions Part 2

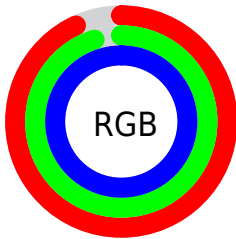
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 241, 253
Decimal	15594493
CIE <sub>Lab</sub>	95.66, -0.14, -5.50
CIE <sub>LCh</sub>	96, 5.499, 268.534
Yxy	89.1976, 0.3030, 0.3190
Android (android.graphics.Color)	4293784573 (0xFFEDF3FD)
YUV	242.3460, 5.2524, -4.6884
Hunter-Lab	94.4445, -5.1849, -0.2328

# Details

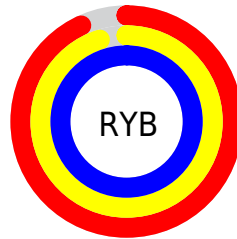
The XYZ color **84.7053, 89.1976, 105.6809** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0551, 93.5178, 93.4793**, and the grayscale version is **84.6379, 89.0456, 96.9707**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7902, 49.3499, 59.2839** is the 20% darker color. If you saturate the color by 10%, you get **72.3189, 76.0918, 103.8054**, and if you desaturate by 10%, it is **94.7299, 99.8720, 107.2143**.

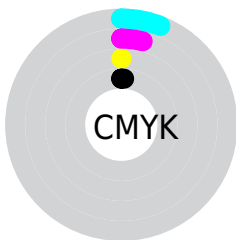
# Distribution



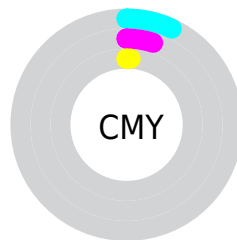
- Red (93%)
- Green (95%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (7%)
- Magenta (5%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7053, 89.1976, 105.6809 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 84.7053, 89.1976, 105.6809 by changing the saturation by 10% instead.



84.7053, 89.1976,  
105.6809

84.7053, 89.1976,  
105.6809

499.1508,  
525.4172, 599.6582

63.9196, 67.3153,  
80.4101

138.8775,  
146.2233, 171.0621

46.8470, 49.3409,  
59.5277

172.9947,  
182.1356, 212.0095

33.1221, 34.8900,  
42.6153

212.2865,  
223.4933, 259.0196

22.3797, 23.5782,  
29.2542

257.1181,  
270.6808, 312.5108

14.2543, 15.0210,  
19.0260

307.8550,  
324.0825, 372.9018

8.3807, 8.8341,  
11.5120

364.8625,

4.3933, 4.6331,

384.0829, 440.6109

6.2939

428.5060,  
451.0664, 516.0569

■ 1.9270, 2.0337,  
2.9529

■ 0.5924, 0.6269,  
1.0706

■ 84.7053, 89.1976,  
105.6809

■ 84.7053, 89.1976,  
105.6809

■ 72.3189, 76.0918,  
103.8054

94.7299, 99.8720,  
107.2143

■ 61.4692, 64.3652,  
102.1138

■ 52.0949, 53.9728,  
100.6020

■ 44.1277, 44.8630,  
99.2635

■ 37.4934, 36.9802,  
98.0916

■ 32.1104, 30.2645,  
97.0791

■ 27.8874, 24.6496,  
96.2179

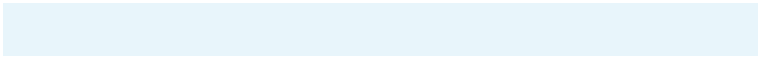
■ 24.7188, 20.0609,  
95.4992

■ 22.4753, 16.4101,  
94.9127

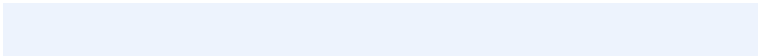
# Harmonies

## Analogous

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



83.2717, 89.1976, 104.3943



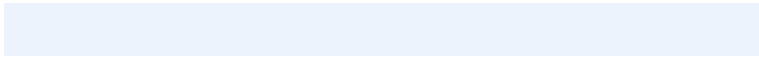
84.7053, 89.1976, 105.6809



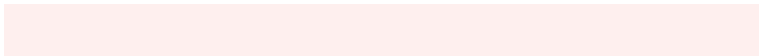
86.1754, 89.1976, 104.6179

# Triad

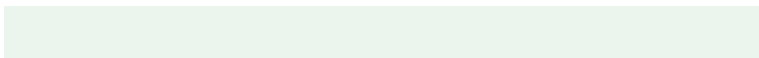
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7053, 89.1976, 105.6809



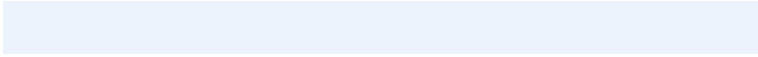
87.3584, 89.1976, 93.1994



82.3250, 89.1976, 92.8410

# Complementary

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



84.7053, 89.1976, 105.6809



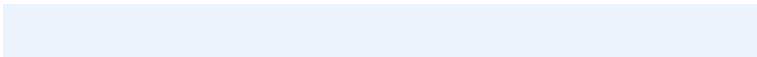
89.0551, 93.5178, 93.4793

# Split Complementary

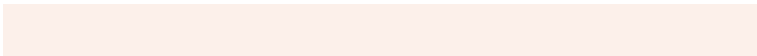
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3990, 89.1976, 89.9911



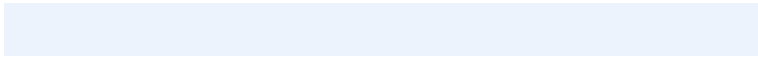
84.7053, 89.1976, 105.6809



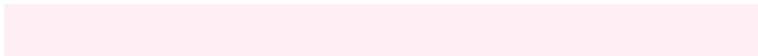
86.3057, 89.1976, 90.1937

# Square

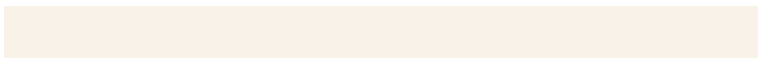
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



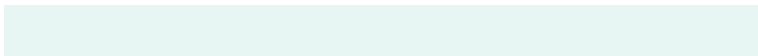
84.7053, 89.1976, 105.6809



87.7181, 89.1976, 97.3342



84.8540, 89.1976, 89.0363

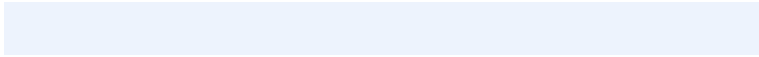


81.9076, 89.1976, 96.9082



# Rectangle

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



84.7053, 89.1976, 105.6809



86.9760, 89.1976, 102.7371



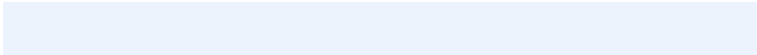
84.8540, 89.1976, 89.0363



82.6206, 89.1976, 91.7134

# Sweetspot

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



84.7079, 89.2014, 105.6829



92.1904, 97.0294, 108.4773



86.8197, 94.9637, 101.6432



19.7625, 20.7995, 23.2231



0.0000, 0.0000, 0.0000

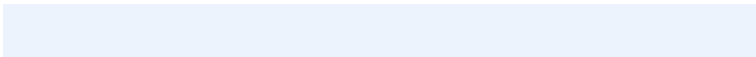


20.3446, 21.4041, 23.3091

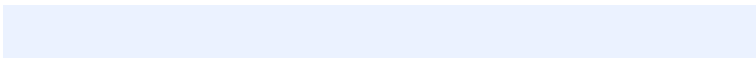


# Same Dimension

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



84.7079, 89.2014, 105.6829



84.0070, 88.4702, 107.2566



83.5669, 85.9894, 105.1230



17.5614, 18.4945, 22.8942



11.7336, 8.3769, 50.4330

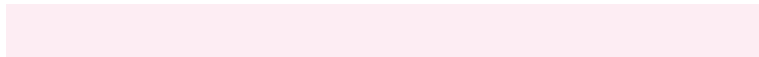


1.2433, 1.0174, 4.9441

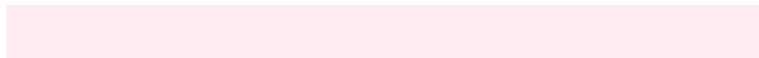


# Inverse Universe

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



86.9719, 87.9239, 97.1856



86.8993, 86.8740, 96.3935



90.2445, 96.9004, 94.0696



18.2913, 18.0998, 20.1510



22.7108, 11.5736, 7.1275

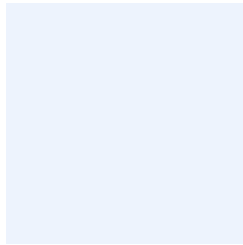


2.2622, 1.1472, 0.9621



# Previews

## White Background



This preview shows how the XYZ color 84.7053, 89.1976, 105.6809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

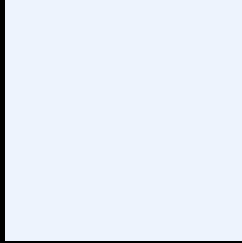
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7053, 89.1976, 105.6809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

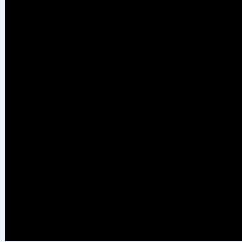
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

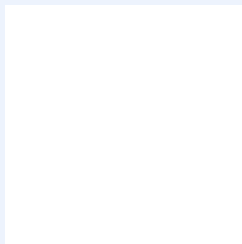
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.7053, 89.1976, 105.6809

## Background



This preview shows how black text looks on a background with the XYZ color 84.7053, 89.1976, 105.6809.



This preview shows how white text looks on a background with the XYZ color 84.7053, 89.1976,

105.6809.

# 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

84.7053, 89.1976, 105.6809

### Protanopia

86.3342, 89.1720, 104.7571

### Deuteranopia

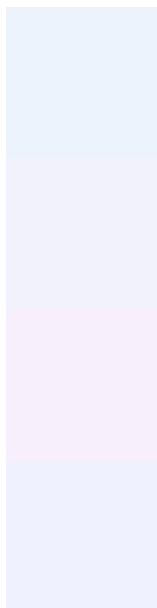
88.9368, 88.7934, 103.7182



## Tritanopia

85.7373, 89.2495, 107.3158

# Trichromacy



## Original Color

84.7053, 89.1976, 105.6809

## Protanomaly

85.5984, 89.2333, 104.8077

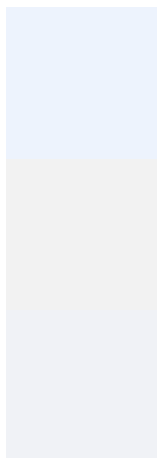
## Deuteranomaly

87.1486, 88.7177, 104.6265

## Tritanomaly

85.2381, 89.0107, 106.4542

# Monochromacy



## Original Color

84.7053, 89.1976, 105.6809

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.3219, 88.6833, 99.8621

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7053, 89.1976, 105.6809 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(237, 243, 253)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 253)  
}
```

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(237, 243, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7053, 89.1976, 105.6809 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(237, 243, 253) }
```



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

```
.border{ border-color:rgb(237, 243, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 253);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7053, 89.1976, 105.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 253) }
```

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

```
.background{ background-color: rgb(237,  
243, 253) }
```

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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