

# Converting Colors

XYZ(84.3889, 89.4451,  
102.5020)

Have a look what the booklet for  
XYZ(84.3889, 89.4451, 102.5020)  
contains.

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# **Color**

**XYZ(84.3746, 89.5454,  
102.4595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF4F9
RGB	237, 244, 249
RGB Percent	93%, 96%, 98%
CMY	0.0706, 0.0431, 0.0235
CMYK	0.05, 0.02, 0.00, 0.02
HSL	205°, 50%, 95%
HSV	205°, 5%, 98%
XYZ	84.3746, 89.5454, 102.4595
YIQ	242.4770, -5.7770, 0.0710

# Conversions

## Conversions Part 2

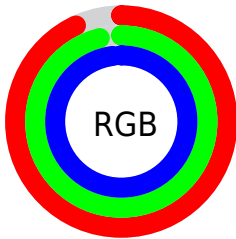
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 241, 249
Decimal	15594745
CIE Lab	95.81, -1.39, -3.21
CIE LCh	96, 3.503, 246.581
Yxy	89.5454, 0.3053, 0.3240
Android (android.graphics.Color)	4293784825 (0xFFEDF4F9)
YUV	242.4770, 3.2158, -4.8033
Hunter-Lab	94.6284, -6.4418, 2.0433

# Details

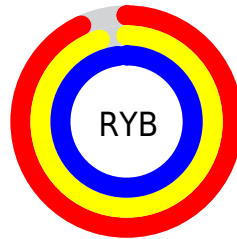
The XYZ color **84.3746, 89.5454, 102.4595** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1054, 89.7576, 92.9089**, and the grayscale version is **84.7567, 89.1707, 97.1069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6649, 49.6405, 57.5741** is the 20% darker color. If you saturate the color by 10%, you get **73.5998, 79.4917, 101.0882**, and if you desaturate by 10%, it is **93.8994, 99.2201, 103.8263**.

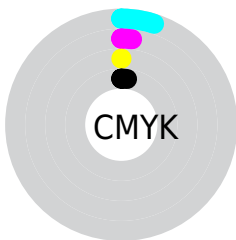
# Distribution



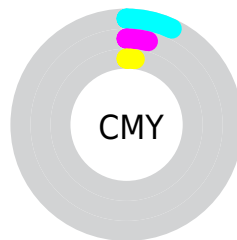
- Red (93%)
- Green (96%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (4%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3746, 89.5454, 102.4595 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 84.3746, 89.5454, 102.4595 by changing the saturation by 10% instead.



84.3746, 89.5454,  
102.4595

84.3746, 89.5454,  
102.4595

498.0713,  
526.5509, 589.3635

63.6455, 67.6037,  
77.7279

138.4176,  
146.7068, 166.6143

46.6242, 49.5754,  
57.3353

172.4622,  
182.6952, 206.8745

32.9454, 35.0761,  
40.8634

211.6761,  
224.1346, 253.1480

22.2436, 23.7215,  
27.8934

256.4246,  
271.4095, 305.8533

14.1536, 15.1272,  
18.0070

307.0729,  
324.9042, 365.4090

8.3100, 8.9087,  
10.7855

363.9866,

4.3474, 4.6817,

385.0030, 432.2335

5.8105

427.5309,  
452.0905, 506.7455

■ 1.9005, 2.0617,  
2.6632

■ 0.5771, 0.6430,  
0.9248

■ 84.3746, 89.5454,  
102.4595

■ 84.3746, 89.5454,  
102.4595

■ 73.5998, 79.4917,  
101.0882

■ 93.8994, 99.2201,  
103.8263

■ 64.1022, 70.3502,  
99.8243

■ 94.0991, 99.6197,  
103.8929

■ 55.8308, 62.0928,  
98.6664

■ 48.7283, 54.6854,  
97.6110

■ 42.7321, 48.0911,  
96.6542

■ 37.7735, 42.2699,  
95.7919

■ 33.7752, 37.1771,  
95.0196

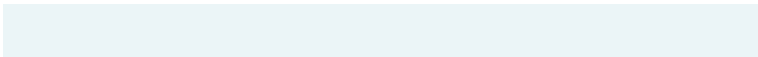
■ 30.6479, 32.7614,  
94.3322

■ 28.2822, 28.9615,  
93.7234

# Harmonies

## Analogous

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



83.6284, 89.5454, 100.7022



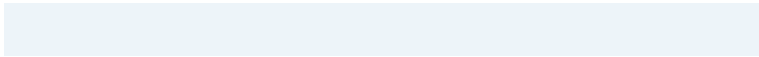
84.3746, 89.5454, 102.4595



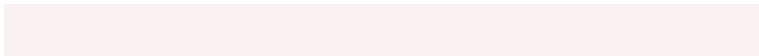
85.3231, 89.5454, 102.8765

# Triad

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



84.3746, 89.5454, 102.4595



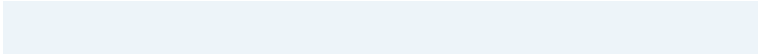
86.9675, 89.5454, 96.8918



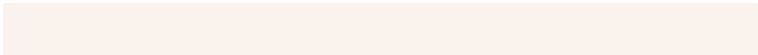
84.0088, 89.5454, 93.2929

# Complementary

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



84.3746, 89.5454, 102.4595



86.1054, 89.7576, 92.9089

# Split Complementary

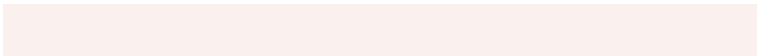
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8977, 89.5454, 92.3136



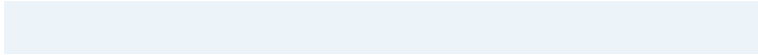
84.3746, 89.5454, 102.4595



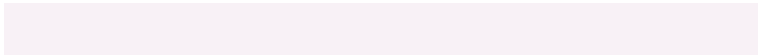
86.6095, 89.5454, 94.3659

# Square

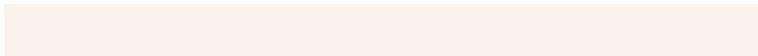
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



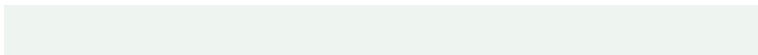
84.3746, 89.5454, 102.4595



86.8249, 89.5454, 99.6279



85.8501, 89.5454, 92.7026



83.4183, 89.5454, 95.4021



# Rectangle

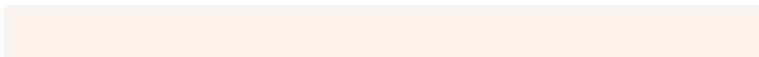
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3746, 89.5454, 102.4595



85.9435, 89.5454, 102.3314



85.8501, 89.5454, 92.7026



84.2824, 89.5454, 92.8225

# Sweetspot

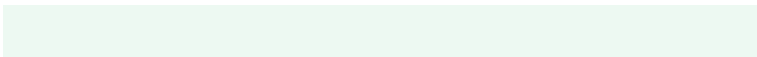
The Sweet Spot groups the original color and five complimentary colors.



84.3772, 89.5492, 102.4615



93.7803, 98.8440, 108.7438



84.7991, 92.1561, 97.1669



20.0862, 21.1689, 23.2773



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.



84.3772, 89.5492, 102.4615



87.6448, 93.2156, 107.9808



82.6582, 86.1112, 101.8885



17.8029, 18.9562, 22.1059



14.7432, 14.8420, 50.0613



1.4701, 1.5839, 4.6714



# Inverse Universe

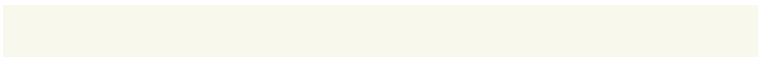
The Inverse Universe completely reimagines the original color for something new.



85.6822, 87.2415, 97.9157



89.3530, 90.2202, 102.0249



87.8603, 93.2675, 93.4939



18.1892, 18.2820, 20.7586



23.7337, 11.9092, 15.8381

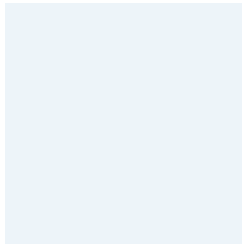


2.2510, 1.1241, 1.7450



# Previews

## White Background



This preview shows how the XYZ color 84.3746, 89.5454, 102.4595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

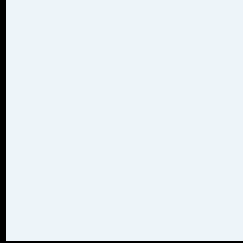
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3746, 89.5454, 102.4595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

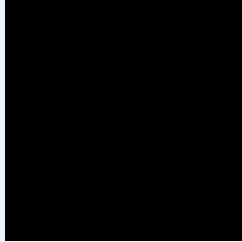
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

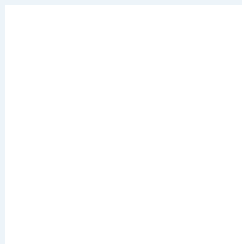
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.3746, 89.5454, 102.4595

## Background



This preview shows how black text looks on a background with the XYZ color 84.3746, 89.5454, 102.4595.



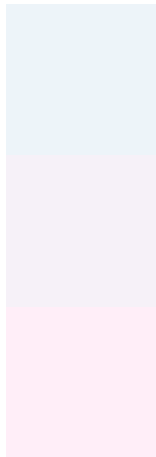
This preview shows how white text looks on a background with the XYZ color 84.3746, 89.5454,

102.4595.

# 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

84.3746, 89.5454, 102.4595

### Protanopia

86.4046, 89.2807, 101.4858

### Deuteranopia

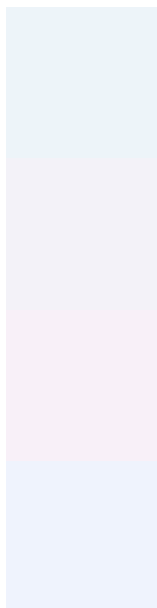
88.7578, 89.1864, 101.3436



## Tritanopia

85.7373, 89.2495, 107.3158

# Trichromacy



## Original Color

84.3746, 89.5454, 102.4595

## Protanomaly

85.6576, 89.3363, 101.5359

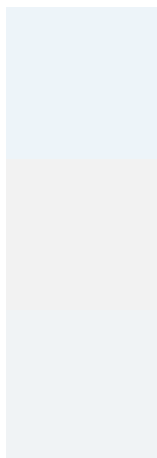
## Deuteranomaly

86.8148, 89.0539, 101.4204

## Tritanomaly

85.3768, 89.5438, 105.7123

# Monochromacy



## Original Color

84.3746, 89.5454, 102.4595

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.4672, 89.2190, 99.1553

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3746, 89.5454, 102.4595 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, 244, 249) looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 249)  
}
```

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, 244, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3746, 89.5454, 102.4595 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, 244, 249) }
```



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

```
.border{ border-color:rgb(237, 244, 249) }
```

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

Here you see how a box with a 4 pixel rgb(237, 244, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 249);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3746, 89.5454, 102.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 249) }
```

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

```
.background{ background-color: rgb(237,  
244, 249) }
```

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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