

# Converting Colors

XYZ(89.1836, 97.1294,  
101.6829)

Have a look what the booklet for  
XYZ(89.1836, 97.1294, 101.6829)  
contains.

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# **Color**

**XYZ(89.1665, 97.1126,  
102.0407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF7
RGB	242, 255, 247
RGB Percent	95%, 100%, 97%
CMY	0.0510, 0.0000, 0.0314
CMYK	0.05, 0.00, 0.03, 0.00
HSL	143°, 100%, 97%
HSV	143°, 5%, 100%
XYZ	89.1665, 97.1126, 102.0407
YIQ	250.2010, -5.1800, -5.2440

# Conversions

## Conversions Part 2

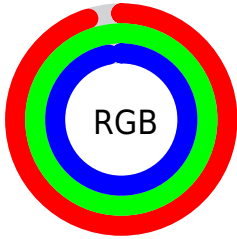
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 251, 255
Decimal	15925239
CIE Lab	98.87, -5.67, 2.34
CIE LCh	99, 6.135, 157.612
Yxy	97.1126, 0.3093, 0.3368
Android (android.graphics.Color)	4294115319 (0xFF2FF7)
YUV	250.2010, -1.5781, -7.1923
Hunter-Lab	98.5457, -10.9440, 7.5893

# Details

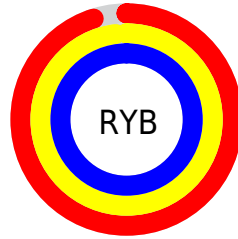
The XYZ color 89.1665, 97.1126, 102.0407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.2481, 91.6676, 103.3797, and the grayscale version is 91.0477, 95.7893, 104.3146.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8478, 54.5889, 57.1997 is the 20% darker color. If you saturate the color by 10%, you get 78.6952, 91.9826, 89.4383, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

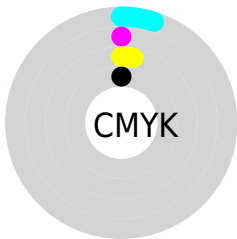
# Distribution



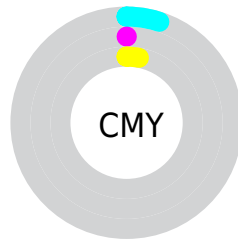
- Red (95%)
- Green (100%)
- Blue (97%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1665, 97.1126, 102.0407 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 89.1665, 97.1126, 102.0407 by changing the saturation by 10% instead.




 89.1665, 97.1126,  
102.0407

 89.1665, 97.1126,  
102.0407


513.5942,  
550.9064, 588.0182

 67.6235, 73.8945,  
77.3795


145.0643,  
157.1800, 166.0350

 49.8641, 54.7077,  
57.0510


180.1499,  
194.7982, 206.2053

 35.5228, 39.1678,  
40.6366


220.4804,  
237.9852, 252.3823

 24.2343, 26.8903,  
27.7177

266.4212,  
287.1254, 304.9847

 15.6332, 17.4908,  
17.8757

318.3376,  
342.6032, 364.4309

 9.3541, 10.5851,  
10.6923

376.5950,

 5.0318, 5.7886,

404.8031, 431.1395

5.7488

441.5587,  
474.1093, 505.5291

■ 2.3009, 2.7169,  
2.6266

■ 0.7951, 0.9858,  
0.9061

■ 89.1665, 97.1126,  
102.0407

■ 89.1665, 97.1126,  
102.0407

■ 78.6952, 91.9826,  
89.4383

95.0500, 100.0000,  
108.9000

■ 69.5919, 87.5348,  
77.9361

■ 61.7986, 83.7400,  
67.5059

■ 55.2522, 80.5663,  
58.1165

■ 49.8838, 77.9787,  
49.7352

■ 45.6178, 75.9391,  
42.3275

■ 42.3692, 74.4042,  
35.8568

■ 40.0396, 73.3242,  
30.2840

■ 38.5089, 72.6379,  
25.5669

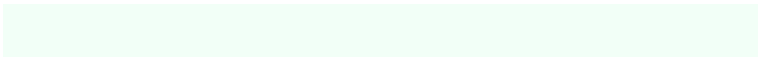
# Harmonies

## Analogous

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



90.2245, 97.1126, 98.1449



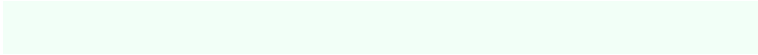
89.1665, 97.1126, 102.0407



88.9435, 97.1126, 107.0461

# Triad

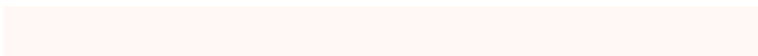
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1665, 97.1126, 102.0407



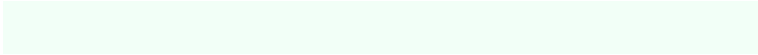
92.7579, 97.1126, 115.7805



95.0472, 97.1126, 99.8549

# Complementary

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



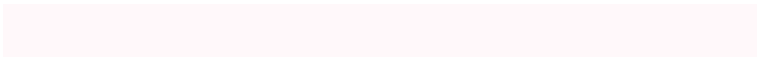
89.1665, 97.1126, 102.0407



90.2481, 91.6676, 103.3797

# 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.



95.7452, 97.1126, 104.4428



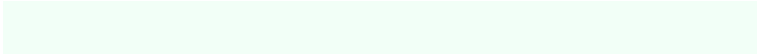
89.1665, 97.1126, 102.0407



94.4124, 97.1126, 113.7153

# Square

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



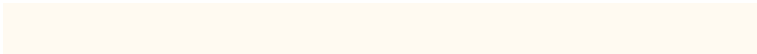
89.1665, 97.1126, 102.0407



91.0020, 97.1126, 115.0871



95.5114, 97.1126, 109.5258

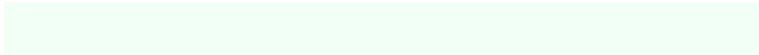


93.6155, 97.1126, 96.9116

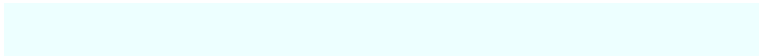


# Rectangle

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



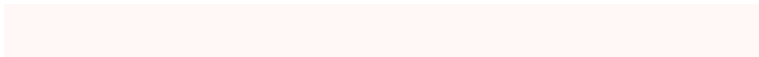
89.1665, 97.1126, 102.0407



89.2957, 97.1126, 110.3590



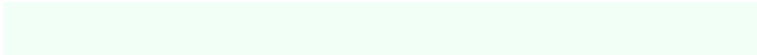
95.5114, 97.1126, 109.5258



95.3763, 97.1126, 101.2500

# Sweetspot

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



89.1674, 97.1131, 102.0422



92.6973, 98.8450, 106.1740



91.2179, 98.2581, 98.1640



19.8657, 21.1690, 22.7543



0.0000, 0.0000, 0.0000

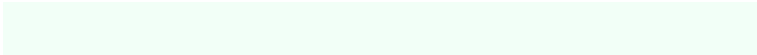


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.1674, 97.1131, 102.0422



88.1644, 96.6212, 100.8584



90.1854, 97.5203, 107.4029



18.7170, 20.6055, 21.4057



19.9068, 37.8593, 12.6606



1.9897, 3.7068, 1.5035



# Inverse Universe

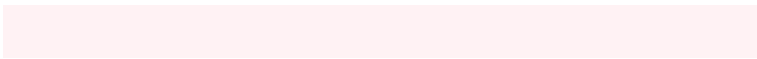
The Inverse Universe completely reimagines the original color for something new.



90.2481, 91.6676, 103.3797



89.4286, 90.2504, 102.4230



89.2488, 91.2679, 98.1176



19.0157, 19.1002, 21.7754



24.8000, 12.4093, 18.1294

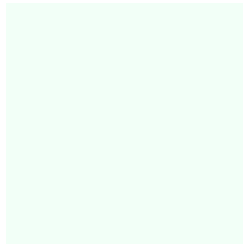


2.4681, 1.2296, 2.0466



# Previews

## White Background



This preview shows how the XYZ color 89.1665, 97.1126, 102.0407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

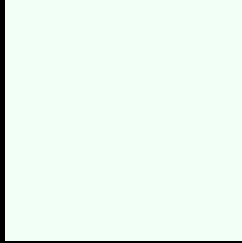
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1665, 97.1126, 102.0407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

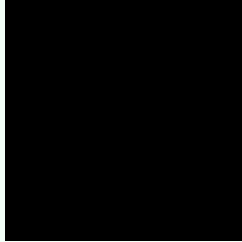
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.1665, 97.1126, 102.0407

## Background



This preview shows how black text looks on a background with the XYZ color 89.1665, 97.1126, 102.0407.



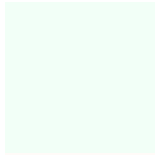
This preview shows how white text looks on a background with the XYZ color 89.1665, 97.1126,



# 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

89.1665, 97.1126, 102.0407

### Protanopia

92.6805, 97.0317, 102.6511

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy



**Original Color**

89.1665, 97.1126, 102.0407

**Protanomaly**

91.1780, 96.7221, 102.6706

**Deuteranomaly**

91.4901, 96.8469, 104.3138

**Tritanomaly**

91.4074, 97.2353, 106.0461

# Monochromacy



**Original Color**

89.1665, 97.1126, 102.0407

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.2671, 96.2345, 103.4401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1665, 97.1126, 102.0407 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, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 247)  
}
```

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, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1665, 97.1126, 102.0407 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, 255, 247) }
```



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

```
.border{ border-color:rgb(242, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1665, 97.1126, 102.0407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 247) }
```

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

```
.background{ background-color: rgb(242,  
255, 247) }
```

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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