

# Converting Colors

XYZ(89.1457, 97.0649,  
103.7127)

Have a look what the booklet for  
XYZ(89.1457, 97.0649, 103.7127)  
contains.

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# **Color**

**XYZ(89.1345, 97.0603,  
103.6592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFF9
RGB	241, 255, 249
RGB Percent	95%, 100%, 98%
CMY	0.0549, 0.0000, 0.0235
CMYK	0.05, 0.00, 0.02, 0.00
HSL	154°, 100%, 97%
HSV	154°, 5%, 100%
XYZ	89.1345, 97.0603, 103.6592
YIQ	250.1300, -6.4180, -4.8340

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 250, 255
Decimal	15859705
CIE Lab	98.85, -5.64, 1.27
CIE LCh	99, 5.784, 167.299
Yxy	97.0603, 0.3075, 0.3349
Android (android.graphics.Color)	4294049785 (0xFF1FFF9)
YUV	250.1300, -0.5571, -8.0070
Hunter-Lab	98.5192, -10.9120, 6.5801

# Details

The XYZ color 89.1345, 97.0603, 103.6592 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4843, 90.8870, 100.8222, and the grayscale version is 90.9815, 95.7197, 104.2387.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8273, 54.5527, 58.3556 is the 20% darker color. If you saturate the color by 10%, you get 79.3756, 92.2206, 94.5638, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

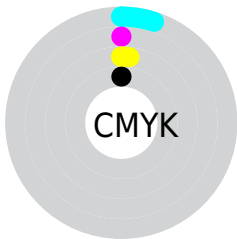
# Distribution



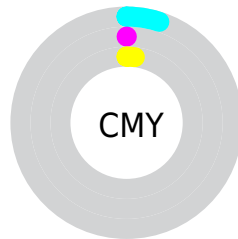
- Red (95%)
- Green (100%)
- Blue (98%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1345, 97.0603, 103.6592 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 89.1345, 97.0603, 103.6592 by changing the saturation by 10% instead.




 89.1345, 97.0603,  
103.6592

 89.1345, 97.0603,  
103.6592


513.4913,  
550.7400, 593.2084

 67.5969, 73.8510,  
78.7261


145.0201,  
157.1079, 168.2723

 49.8424, 54.6721,  
58.1507


180.0988,  
194.7150, 208.7895

 35.5055, 39.1392,  
41.5143


220.4219,  
237.8901, 255.3384

 24.2208, 26.8680,  
28.3984

266.3548,  
287.0177, 308.3376

 15.6231, 17.4741,  
18.3846

318.2628,  
342.4820, 368.2056

 9.3470, 10.5731,  
11.0542

376.5114,

 5.0271, 5.7806,

404.6676, 435.3611

5.9886

441.4658,  
473.9588, 510.2225

■ 2.2981, 2.7121,  
2.7695

■ 0.7937, 0.9834,  
0.9782

■ 89.1345, 97.0603,  
103.6592

■ 89.1345, 97.0603,  
103.6592

■ 79.3756, 92.2206,  
94.5638

95.0500, 100.0000,  
108.9000

■ 70.8813, 88.0216,  
86.0348

■ 63.5970, 84.4354,  
78.0622

■ 57.4629, 81.4312,  
70.6341

■ 52.4139, 78.9757,  
63.7379

■ 48.3781, 77.0322,  
57.3606

■ 45.2743, 75.5589,  
51.4882

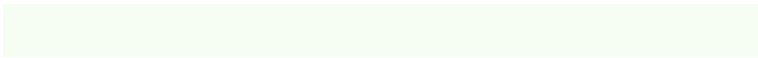
■ 43.0082, 74.5074,  
46.1060

■ 41.4633, 73.8180,  
41.1978

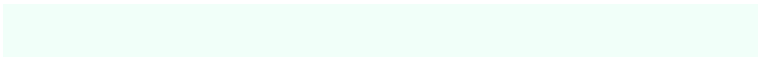
# Harmonies

## Analogous

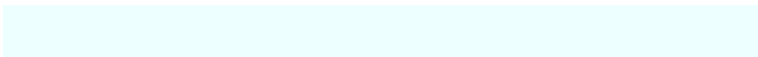
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8971, 97.0603, 99.5258



89.1345, 97.0603, 103.6592



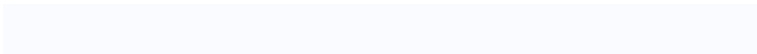
89.2001, 97.0603, 108.4596

# Triad

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



89.1345, 97.0603, 103.6592



93.2177, 97.0603, 114.7722



94.4631, 97.0603, 99.0220

# Complementary

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



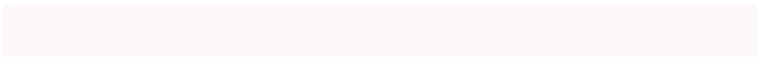
89.1345, 97.0603, 103.6592



89.4843, 90.8870, 100.8222

# 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.



95.3746, 97.0603, 102.9525



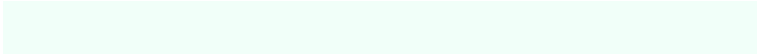
89.1345, 97.0603, 103.6592



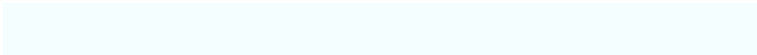
94.6495, 97.0603, 112.0873

# Square

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



89.1345, 97.0603, 103.6592



91.5438, 97.0603, 114.9754



95.4432, 97.0603, 107.7313



92.9656, 97.0603, 96.9037

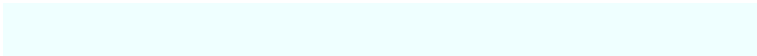


# Rectangle

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



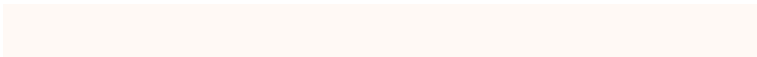
89.1345, 97.0603, 103.6592



89.7046, 97.0603, 111.3934



95.4432, 97.0603, 107.7313



94.8490, 97.0603, 100.1696

# Sweetspot

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



89.1354, 97.0608, 103.6607



92.8486, 98.9056, 106.9708



90.0191, 97.6574, 97.3257



19.8965, 21.1813, 22.9165



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

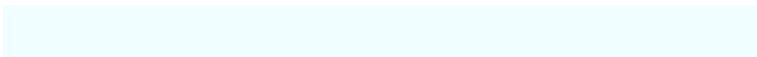
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1354, 97.0608, 103.6607



87.5780, 96.2875, 102.2498



89.7892, 96.8471, 108.5687



18.6139, 20.5442, 21.7658



21.4619, 38.4814, 20.8496



2.1444, 3.7687, 2.3184



# Inverse Universe

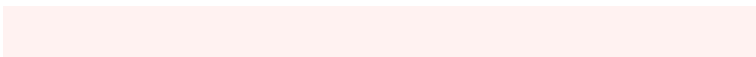
The Inverse Universe completely reimagines the original color for something new.



89.4843, 90.8870, 100.8222



88.0183, 88.4955, 98.6674



88.8502, 91.0765, 96.1171



18.7158, 18.7401, 20.9363



23.0698, 11.7172, 9.0182

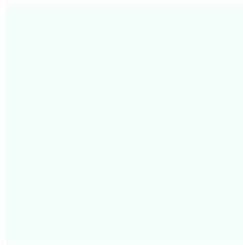


2.2996, 1.1622, 1.1593



# Previews

## White Background



This preview shows how the XYZ color 89.1345, 97.0603, 103.6592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

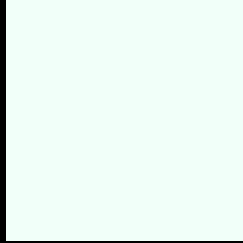
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1345, 97.0603, 103.6592 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 89.1345, 97.0603, 103.6592

## Background



This preview shows how black text looks on a background with the XYZ color 89.1345, 97.0603, 103.6592.



This preview shows how white text looks on a background with the XYZ color 89.1345, 97.0603,

103.692.

# 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

89.1345, 97.0603, 103.6592



### Protanopia

92.6805, 97.0317, 102.6511

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

92.2847, 97.1648, 108.4985

# Trichromacy



**Original Color**

89.1345, 97.0603, 103.6592

**Protanomaly**

91.1780, 96.7221, 102.6706

**Deuteranomaly**

91.6473, 96.9098, 105.1419

**Tritanomaly**

91.2127, 97.1166, 106.8665

# Monochromacy



**Original Color**

89.1345, 97.0603, 103.6592

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.4235, 96.2971, 104.2638

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1345, 97.0603, 103.6592 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(241, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 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(241, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1345, 97.0603, 103.6592 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(241, 255, 249) }
```



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

```
.border{ border-color:rgb(241, 255, 249) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1345, 97.0603, 103.6592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 249) }
```

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

```
.background{ background-color: rgb(241,  
255, 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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