

# Converting Colors

XYZ(89.5515, 97.2766,  
103.6201)

Have a look what the booklet for  
XYZ(89.5515, 97.2766, 103.6201)  
contains.

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# Color

**XYZ(89.4768, 97.2368,  
103.6752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF9
RGB	242, 255, 249
RGB Percent	95%, 100%, 98%
CMY	0.0510, 0.0000, 0.0235
CMYK	0.05, 0.00, 0.02, 0.00
HSL	152°, 100%, 97%
HSV	152°, 5%, 100%
XYZ	89.4768, 97.2368, 103.6752
YIQ	250.4290, -5.8220, -4.6220

# Conversions

## Conversions Part 2

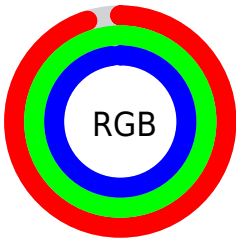
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 250, 255
Decimal	15925241
CIE Lab	98.92, -5.32, 1.38
CIE LCh	99, 5.493, 165.433
Yxy	97.2368, 0.3081, 0.3349
Android (android.graphics.Color)	4294115321 (0xFF2FF9)
YUV	250.4290, -0.7045, -7.3922
Hunter-Lab	98.6087, -10.5957, 6.6898

# Details

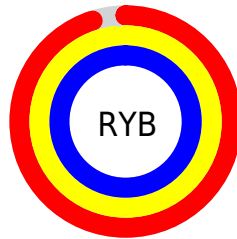
The XYZ color 89.4768, 97.2368, 103.6752 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9359, 91.5425, 101.7361, and the grayscale version is 91.2297, 95.9807, 104.5230.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0694, 54.6775, 58.3670 is the 20% darker color. If you saturate the color by 10%, you get 79.5477, 92.3236, 93.9283, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

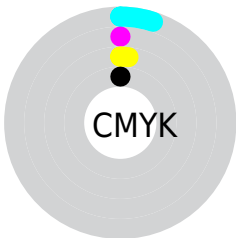
# Distribution



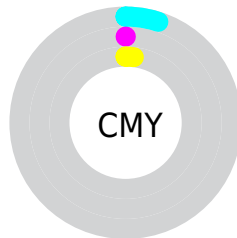
- Red (95%)
- Green (100%)
- Blue (98%)



- 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 89.4768, 97.2368, 103.6752 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 89.4768, 97.2368, 103.6752 by changing the saturation by 10% instead.




 89.4768, 97.2368,  
103.6752

 89.4768, 97.2368,  
103.6752


514.5907,  
551.3013, 593.2595

 67.8816, 73.9981,  
78.7395

145.4935,  
157.3512, 168.2944

 50.0748, 54.7925,  
58.1616


180.6457,  
194.9957, 208.8150

 35.6909, 39.2356,  
41.5230


221.0476,  
238.2109, 255.3675

 24.3645, 26.9430,  
28.4052

267.0647,  
287.3812, 308.3707

 15.7304, 17.5304,  
18.3896

319.0621,  
342.8910, 368.2429

 9.4232, 10.6134,  
11.0578

377.4054,

 5.0776, 5.8075,

405.1247, 435.4027

5.9910

442.4598,  
474.4667, 510.2688

■ 2.3281, 2.7284,  
2.7709

■ 0.8090, 0.9916,  
0.9789

■ 89.4768, 97.2368,  
103.6752

■ 89.4768, 97.2368,  
103.6752

■ 79.5477, 92.3236,  
93.9283

95.0500, 100.0000,  
108.9000

■ 70.9008, 88.0584,  
84.8292

■ 63.4810, 84.4130,  
76.3655

■ 57.2283, 81.3567,  
68.5230

■ 52.0773, 78.8561,  
61.2866

■ 47.9560, 76.8743,  
54.6406

■ 44.7832, 75.3698,  
48.5687

■ 42.4645, 74.2941,  
43.0531

■ 40.8841, 73.5880,  
38.0746

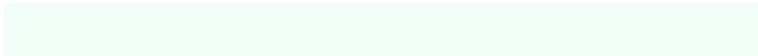
# Harmonies

## Analogous

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



90.2475, 97.2368, 99.8148



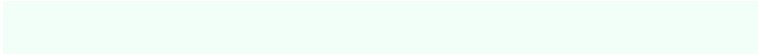
89.4768, 97.2368, 103.6752



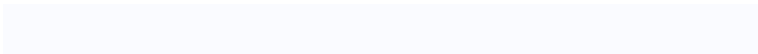
89.4886, 97.2368, 108.2349

# Triad

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



89.4768, 97.2368, 103.6752



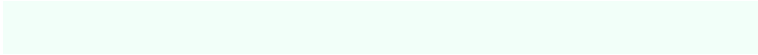
93.2413, 97.2368, 114.5908



94.5950, 97.2368, 99.7243

# Complementary

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



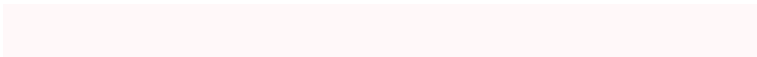
89.4768, 97.2368, 103.6752



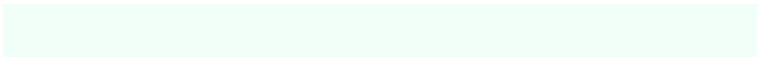
89.9359, 91.5425, 101.7361

# 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.



95.4161, 97.2368, 103.5484



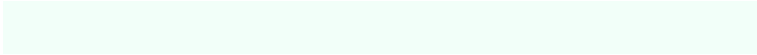
89.4768, 97.2368, 103.6752



94.6284, 97.2368, 112.1743

# Square

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



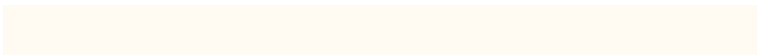
89.4768, 97.2368, 103.6752



91.6496, 97.2368, 114.6272



95.4284, 97.2368, 108.1044

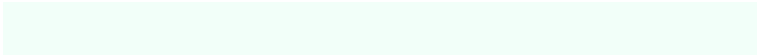


93.1961, 97.2368, 97.5788

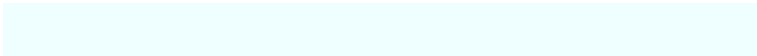


# Rectangle

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



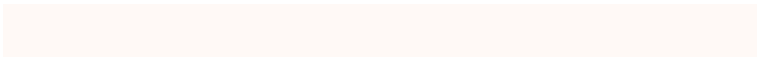
89.4768, 97.2368, 103.6752



89.9381, 97.2368, 111.0617



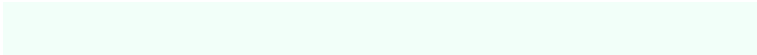
95.4284, 97.2368, 108.1044



94.9484, 97.2368, 100.8511

# Sweetspot

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



89.4777, 97.2372, 103.6767



92.8219, 98.8949, 106.8300



90.5226, 97.8997, 98.1312



19.8911, 21.1792, 22.8878



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

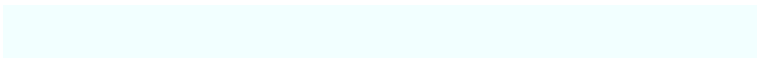
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4777, 97.2372, 103.6767



88.5273, 96.7664, 102.7698



90.2904, 97.3414, 108.6377



18.8027, 20.6398, 21.8572



21.1334, 38.3499, 19.1195

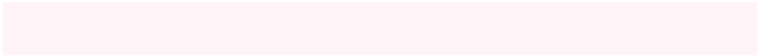


2.1129, 3.7561, 2.1523



# Inverse Universe

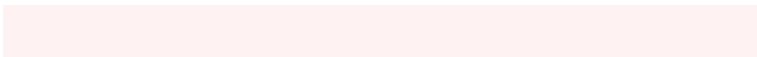
The Inverse Universe completely reimagines the original color for something new.



89.9359, 91.5425, 101.7361



89.0634, 90.1043, 100.4996



89.1490, 91.4344, 96.9556



18.9294, 19.0656, 21.3208



23.3208, 11.8176, 10.3395

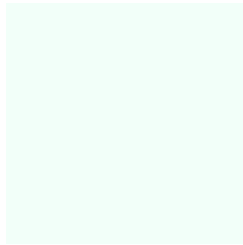


2.3251, 1.1724, 1.2934



# Previews

## White Background



This preview shows how the XYZ color 89.4768, 97.2368, 103.6752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

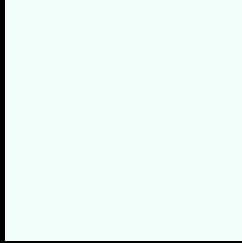
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4768, 97.2368, 103.6752 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 89.4768, 97.2368, 103.6752

## Background



This preview shows how black text looks on a background with the XYZ color 89.4768, 97.2368, 103.6752.



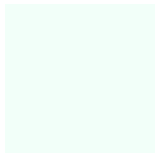
This preview shows how white text looks on a background with the XYZ color 89.4768, 97.2368,

103.6752.

# 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

89.4768, 97.2368, 103.6752



### Protanopia

92.8361, 97.0939, 103.4705

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy

## Original Color

89.4768, 97.2368, 103.6752

## Protanomaly

91.3336, 96.7844, 103.4900

## Deuteranomaly

91.6473, 96.9098, 105.1419

## Tritanomaly

91.5663, 97.2989, 106.8830

# Monochromacy

## Original Color

89.4768, 97.2368, 103.6752

## 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 89.4768, 97.2368, 103.6752 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4768, 97.2368, 103.6752 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, 249) }
```



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

```
.border{ border-color:rgb(242, 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(242, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4768, 97.2368, 103.6752 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, 249) }
```

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

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