

# Converting Colors

XYZ(89.0330, 96.9686,  
105.4325)

Have a look what the booklet for  
XYZ(89.0330, 96.9686, 105.4325)  
contains.

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# **Color**

**XYZ(89.1078, 97.0103,  
105.2952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFFB
RGB	240, 255, 251
RGB Percent	94%, 100%, 98%
CMY	0.0588, 0.0000, 0.0157
CMYK	0.06, 0.00, 0.02, 0.00
HSL	164°, 100%, 97%
HSV	164°, 6%, 100%
XYZ	89.1078, 97.0103, 105.2952
YIQ	250.0590, -7.6560, -4.4240

# Conversions

## Conversions Part 2

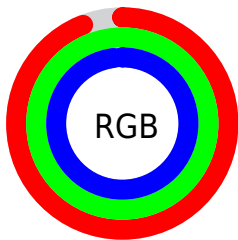
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 249, 255
Decimal	15794171
CIE <sub>Lab</sub>	98.83, -5.61, 0.21
CIE <sub>LCh</sub>	99, 5.610, 177.875
Yxy	97.0103, 0.3058, 0.3329
Android (android.graphics.Color)	4293984251 (0xFF00FFB)
YUV	250.0590, 0.4639, -8.8217
Hunter-Lab	98.4938, -10.8744, 5.5615

# Details

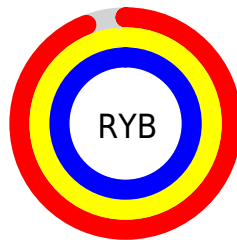
The XYZ color 89.1078, 97.0103, 105.2952 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.7298, 90.1130, 98.3050, and the grayscale version is 90.9155, 95.6502, 104.1630.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8116, 54.5186, 59.5276 is the 20% darker color. If you saturate the color by 10%, you get 79.9984, 92.4358, 99.3760, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

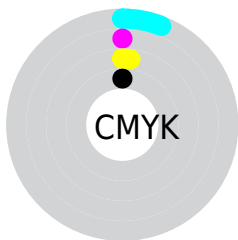
# Distribution



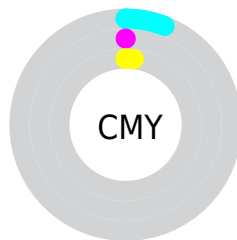
- Red (94%)
- Green (100%)
- Blue (98%)



- Red (94%)
- Yellow (98%)
- Blue (100%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.1078, 97.0103, 105.2952 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 89.1078, 97.0103, 105.2952 by changing the saturation by 10% instead.




 89.1078, 97.0103,  
105.2952

 89.1078, 97.0103,  
105.2952


513.4055,  
550.5809, 598.4305

 67.5747, 73.8093,  
80.0887

144.9831,  
157.0390, 170.5303

 49.8242, 54.6380,  
59.2647


180.0561,  
194.6355, 211.3959

 35.4910, 39.1119,  
42.4048


220.3731,  
237.7992, 258.3182

 24.2096, 26.8468,  
29.0905

266.2994,  
286.9147, 311.7159

 15.6148, 17.4582,  
18.9031

318.2005,  
342.3661, 372.0074

 9.3411, 10.5617,  
11.4242

376.4416,

 5.0232, 5.7730,

404.5381, 439.6114

6.2352

441.3882,  
473.8149, 514.9462

■ 2.2958, 2.7075,  
2.9175

■ 0.7925, 0.9810,  
1.0527

■ 89.1078, 97.0103,  
105.2952

■ 89.1078, 97.0103,  
105.2952

■ 79.9984, 92.4358,  
99.3760

95.0500, 100.0000,  
108.9000

■ 72.0923, 88.4773,  
93.7105

■ 65.3358, 85.1070,  
88.2955

■ 59.6704, 82.2950,  
83.1261

■ 55.0322, 80.0082,  
78.1972

■ 51.3504, 78.2102,  
73.5031

■ 48.5448, 76.8598,  
69.0380

■ 46.5221, 75.9089,  
64.7951

■ 45.1663, 75.2977,  
60.7667

# Harmonies

## Analogous

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



89.5757, 97.0103, 100.9248



89.1078, 97.0103, 105.2952



89.4617, 97.0103, 109.8815

# Triad

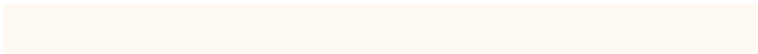
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1078, 97.0103, 105.2952



93.6790, 97.0103, 113.7650



93.8826, 97.0103, 98.2048

# Complementary

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



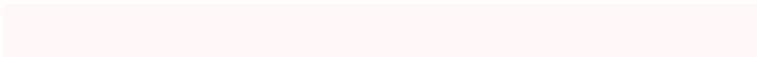
89.1078, 97.0103, 105.2952



88.7298, 90.1130, 98.3050

# 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.



95.0045, 97.0103, 101.4851



89.1078, 97.0103, 105.2952



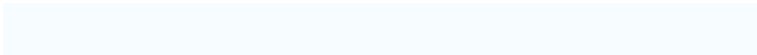
94.8860, 97.0103, 110.4745

# Square

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



89.1078, 97.0103, 105.2952



92.0892, 97.0103, 114.8567



95.3739, 97.0103, 105.9609



92.3217, 97.0103, 96.9069

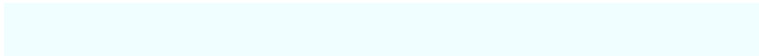


# Rectangle

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



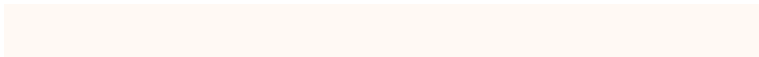
89.1078, 97.0103, 105.2952



90.1185, 97.0103, 112.4280



95.3739, 97.0103, 105.9609



94.3243, 97.0103, 99.1073

# Sweetspot

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



89.1087, 97.0108, 105.2967



92.9804, 98.9583, 107.6646



88.7972, 97.0447, 96.4910



19.9233, 21.1921, 23.0577



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.



89.1087, 97.0108, 105.2967



88.0284, 96.4676, 104.6217



88.6396, 95.0531, 108.2830



18.7183, 20.5860, 22.3157



23.4387, 39.2721, 31.2591

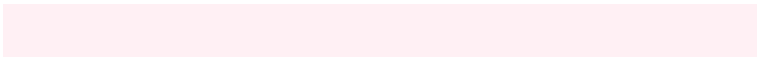


2.3275, 3.8419, 3.2824



# Inverse Universe

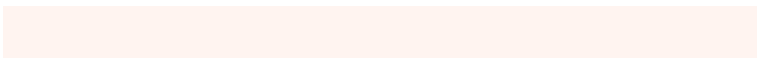
The Inverse Universe completely reimagines the original color for something new.



88.7298, 90.1130, 98.3050



87.5809, 88.3206, 96.3639



89.1693, 91.9532, 95.4886



18.6147, 18.6996, 20.4037



22.1460, 11.3477, 4.1531

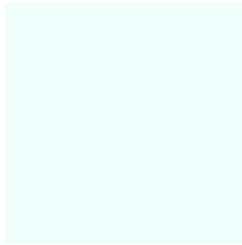


2.1993, 1.1221, 0.6308



# Previews

## White Background



This preview shows how the XYZ color 89.1078, 97.0103, 105.2952 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

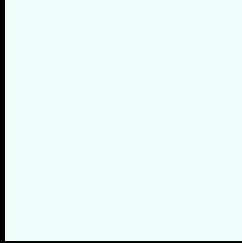
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.1078, 97.0103, 105.2952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

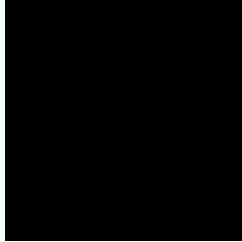
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.1078, 97.0103, 105.2952

## Background



This preview shows how black text looks on a background with the XYZ color 89.1078, 97.0103, 105.2952.



This preview shows how white text looks on a background with the XYZ color 89.1078, 97.0103,



# 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

89.1078, 97.0103, 105.2952

### Protanopia

92.8361, 97.0939, 103.4705

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

92.2847, 97.1648, 108.4985

# Trichromacy



**Original Color**

89.1078, 97.0103, 105.2952

**Protanomaly**

91.4901, 96.8469, 104.3138

**Deuteranomaly**

91.8054, 96.9731, 105.9745

**Tritanomaly**

91.0207, 96.9991, 107.6913

# Monochromacy



**Original Color**

89.1078, 97.0103, 105.2952

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.0718, 96.1158, 104.2474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.1078, 97.0103, 105.2952 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(240, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 251)  
}
```

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(240, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 89.1078, 97.0103, 105.2952 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(240, 255, 251) }
```



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

```
.border{ border-color:rgb(240, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.1078, 97.0103, 105.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 251) }
```

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

```
.background{ background-color: rgb(240,  
255, 251) }
```

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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