

# Converting Colors

XYZ(89.8191, 97.3836,  
105.0295)

Have a look what the booklet for  
XYZ(89.8191, 97.3836, 105.0295)  
contains.

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# **Color**

**XYZ(89.7905, 97.3623,  
105.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFB
RGB	242, 255, 251
RGB Percent	95%, 100%, 98%
CMY	0.0510, 0.0000, 0.0157
CMYK	0.05, 0.00, 0.02, 0.00
HSL	162°, 100%, 97%
HSV	162°, 5%, 100%
XYZ	89.7905, 97.3623, 105.3271
YIQ	250.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	242, 250, 255
Decimal	15925243
CIE Lab	98.97, -4.96, 0.43
CIE LCh	99, 4.976, 175.075
Yxy	97.3623, 0.3070, 0.3329
Android (android.graphics.Color)	4294115323 (0xFF2FFFB)
YUV	250.6570, 0.1691, -7.5922
Hunter-Lab	98.6723, -10.2440, 5.7819

# Details

The XYZ color 89.7905, 97.3623, 105.3271 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.6272, 91.4190, 100.1105, and the grayscale version is 91.4119, 96.1725, 104.7318.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2941, 54.7674, 59.5501 is the 20% darker color. If you saturate the color by 10%, you get 80.4289, 92.6761, 98.5685, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

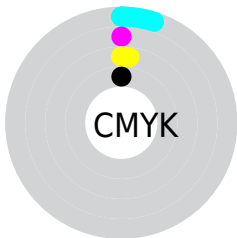
# Distribution



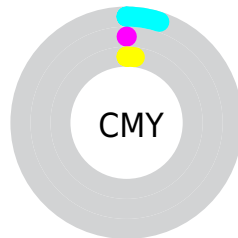
- Red (95%)
- Green (100%)
- Blue (98%)



- 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 89.7905, 97.3623, 105.3271 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 89.7905, 97.3623, 105.3271 by changing the saturation by 10% instead.




 89.7905, 97.3623,  
105.3271

 89.7905, 97.3623,  
105.3271


515.5972,  
551.7003, 598.5321

 68.1426, 74.1027,  
80.1152


145.9272,  
157.5242, 170.5743

 50.2879, 54.8781,  
59.2865


181.1467,  
195.1953, 211.4466

 35.8609, 39.3041,  
42.4222


221.6207,  
238.4390, 258.3763

 24.4964, 26.9964,  
29.1040

267.7147,  
287.6397, 311.7817

 15.8290, 17.5705,  
18.9133

319.7940,  
343.1817, 372.0814

 9.4933, 10.6421,  
11.4314

378.2240,

 5.1240, 5.8267,

405.4496, 439.6941

6.2400

443.3699,  
474.8277, 515.0381

■ 2.3557, 2.7400,  
2.9204

■ 0.8229, 0.9975,  
1.0541

■ 89.7905, 97.3623,  
105.3271

■ 89.7905, 97.3623,  
105.3271

■ 80.4289, 92.6761,  
98.5685

95.0500, 100.0000,  
108.9000

■ 72.2871, 88.6129,  
92.1297

■ 65.3118, 85.1453,  
86.0065

■ 59.4444, 82.2432,  
80.1929

■ 54.6212, 79.8737,  
74.6825

■ 50.7718, 78.0007,  
69.4685

■ 47.8168, 76.5833,  
64.5437

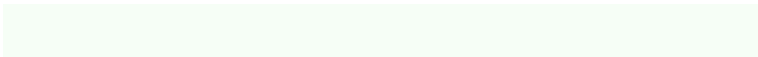
■ 45.6637, 75.5738,  
59.9002

■ 44.1987, 74.9138,  
55.5289

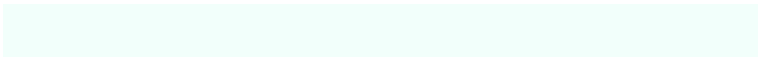
# Harmonies

## Analogous

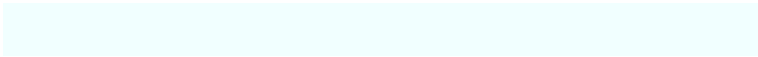
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2733, 97.3623, 101.5061



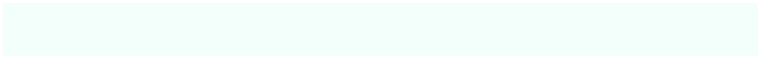
89.7905, 97.3623, 105.3271



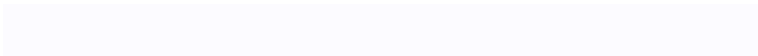
90.0381, 97.3623, 109.4303

# Triad

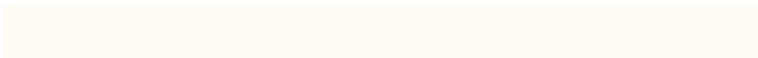
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7905, 97.3623, 105.3271



93.7263, 97.3623, 113.4072



94.1450, 97.3623, 99.5995

# Complementary

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



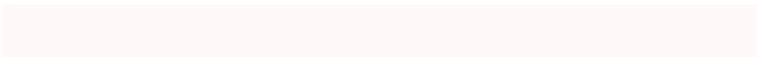
89.7905, 97.3623, 105.3271



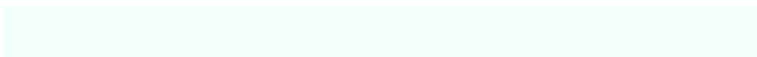
89.6272, 91.4190, 100.1105

# 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.



95.0877, 97.3623, 102.6637



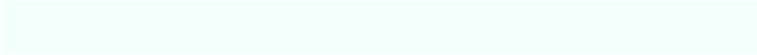
89.7905, 97.3623, 105.3271



94.8442, 97.3623, 110.6473

# Square

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



89.7905, 97.3623, 105.3271



92.3008, 97.3623, 114.1651



95.3450, 97.3623, 106.6978

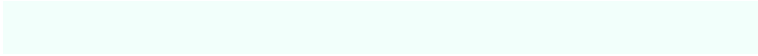


92.7795, 97.3623, 98.2547

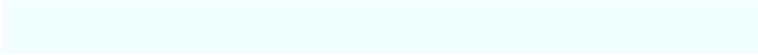


# Rectangle

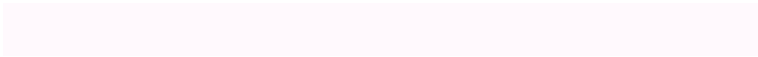
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



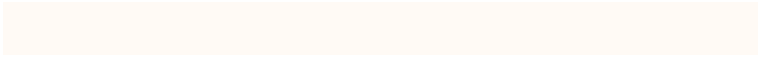
89.7905, 97.3623, 105.3271



90.5854, 97.3623, 111.7642



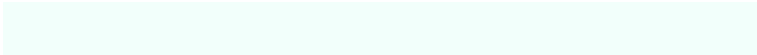
95.3450, 97.3623, 106.6978



94.5224, 97.3623, 100.4587

# Sweetspot

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



89.7914, 97.3627, 105.3286



92.9469, 98.9449, 107.4886



89.8346, 97.5450, 98.0990



19.9165, 21.1893, 23.0219



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.



89.7914, 97.3627, 105.3286



88.8948, 96.9134, 104.7051



89.6730, 96.1065, 108.4319



18.8897, 20.6746, 22.3150



22.8792, 39.0483, 28.3129

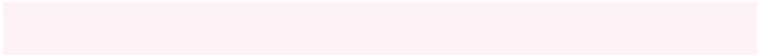


2.2766, 3.8216, 3.0144



# Inverse Universe

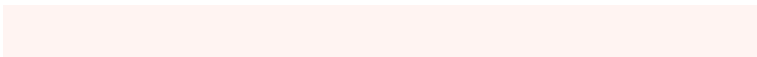
The Inverse Universe completely reimagines the original color for something new.



89.6272, 91.4190, 100.1105



88.7027, 89.9600, 98.6006



89.7338, 92.6040, 97.1506



18.8443, 19.0316, 20.8726



22.3337, 11.4228, 5.1420

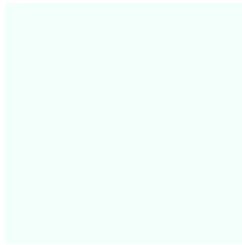


2.2209, 1.1308, 0.7449



# Previews

## White Background



This preview shows how the XYZ color 89.7905, 97.3623, 105.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

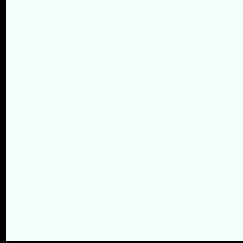
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.7905, 97.3623, 105.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

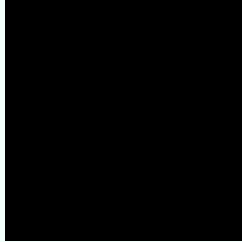
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.7905, 97.3623, 105.3271

## Background



This preview shows how black text looks on a background with the XYZ color 89.7905, 97.3623, 105.3271.



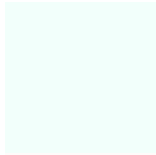
This preview shows how white text looks on a background with the XYZ color 89.7905, 97.3623,



# 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

89.7905, 97.3623, 105.3271

### Protanopia

92.9925, 97.1565, 104.2943

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy



**Original Color**

89.7905, 97.3623, 105.3271

**Protanomaly**

91.4901, 96.8469, 104.3138

**Deuteranomaly**

91.8054, 96.9731, 105.9745

**Tritanomaly**

91.7261, 97.3628, 107.7243

# Monochromacy



**Original Color**

89.7905, 97.3623, 105.3271

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

90.9344, 96.5423, 105.1086

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.7905, 97.3623, 105.3271 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 89.7905, 97.3623, 105.3271 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, 251) }
```



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

```
.border{ border-color:rgb(242, 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(242, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.7905, 97.3623, 105.3271 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, 251) }
```

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

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