

# Converting Colors

XYZ(89.4737, 95.7744,  
105.7924)

Have a look what the booklet for  
XYZ(89.4737, 95.7744, 105.7924)  
contains.

<b>XYZ(89.3432, 95.7038, 105.8592)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(89.3432, 95.7038,  
105.8592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FCFC
RGB	243, 252, 252
RGB Percent	95%, 99%, 99%
CMY	0.0471, 0.0117, 0.0118
CMYK	0.04, 0.00, 0.00, 0.01
HSL	180°, 60%, 97%
HSV	180°, 4%, 99%
XYZ	89.3432, 95.7038, 105.8592
YIQ	249.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

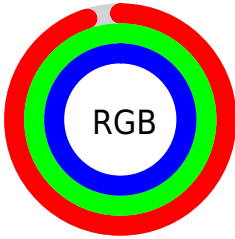
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 248, 252
Decimal	15990012
CIE Lab	98.31, -2.94, -1.04
CIE LCh	98, 3.121, 199.414
Yxy	95.7038, 0.3071, 0.3290
Android (android.graphics.Color)	4294180092 (0xFFFF3FCFC)
YUV	249.3090, 1.3267, -5.5330
Hunter-Lab	97.8283, -8.1817, 4.3226

# Details

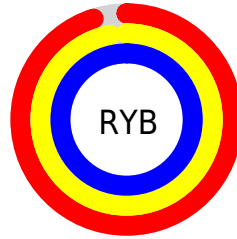
The XYZ color 89.3432, 95.7038, 105.8592 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.3766, 91.2701, 97.7576, and the grayscale version is 90.2916, 94.9938, 103.4482.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8589, 53.5351, 59.3352 is the 20% darker color. If you saturate the color by 10%, you get 81.2353, 91.5269, 105.4720, and if you desaturate by 10%, it is 93.6251, 97.9136, 106.0713.

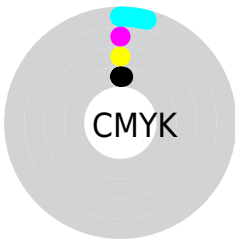
# Distribution



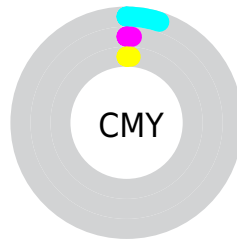
- Red (95%)
- Green (99%)
- Blue (99%)



- Red (95%)
- Yellow (97%)
- Blue (99%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (5%)
- Magenta (1%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3432, 95.7038, 105.8592 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 89.3432, 95.7038, 105.8592 by changing the saturation by 10% instead.




 89.3432, 95.7038,  
105.8592

 89.3432, 95.7038,  
105.8592


514.1618,  
546.4157, 600.2253

 67.7705, 72.7209,  
80.5587


145.3087,  
155.2366, 171.3079

 49.9840, 53.7478,  
59.6493


180.4323,  
192.5552, 212.2931

 35.6185, 38.4000,  
42.7126


220.8035,  
235.4212, 259.3437

 24.3084, 26.2933,  
29.3300

266.7877,  
284.2190, 312.8781

 15.6885, 17.0432,  
19.0828

318.7503,  
339.3330, 373.3149

 9.3935, 10.2653,  
11.5527

377.0566,

 5.0579, 5.5752,

401.1474, 441.0727

6.3211

442.0720,  
470.0469, 516.5700

■ 2.3164, 2.5885,  
2.9694

■ 0.8030, 0.9209,  
1.0790

■ 89.3432, 95.7038,  
105.8592

■ 89.3432, 95.7038,  
105.8592

■ 81.2353, 91.5269,  
105.4720

■ 93.6251, 97.9136,  
106.0713

■ 74.2701, 87.9364,  
105.1362


■ 93.6270, 97.9144,  
106.0812


■ 68.3986, 84.9098,  
104.8517


■ 93.6288, 97.9151,  
106.0910


■ 63.5653, 82.4183,  
104.6157


■ 93.6307, 97.9159,  
106.1009

 59.7098, 80.4310,  
104.4255


 93.6326, 97.9166,  
106.1107


 56.7655, 78.9133,  
104.2780


 93.6344, 97.9174,  
106.1206


 54.6574, 77.8268,  
104.1696

 93.6363, 97.9181,  
106.1304

 53.2986, 77.1265,  
104.0962

 93.6382, 97.9189,  
106.1403

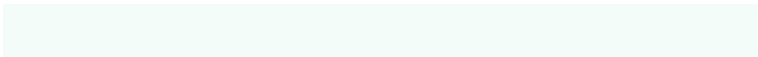
 52.5834, 76.7581,  
104.0530

 93.6401, 97.9196,  
106.1502

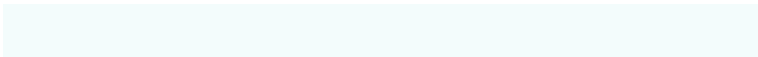
# Harmonies

## Analogous

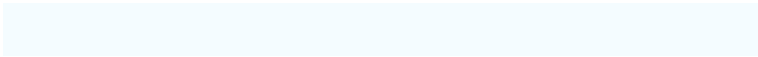
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2752, 95.7038, 103.2985



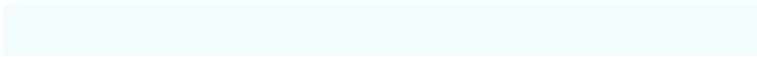
89.3432, 95.7038, 105.8592



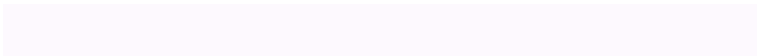
89.8438, 95.7038, 108.0097

# Triad

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



89.3432, 95.7038, 105.8592



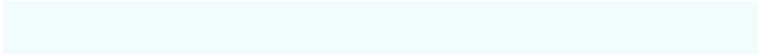
92.2825, 95.7038, 107.4588



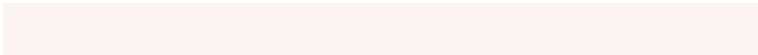
91.2815, 95.7038, 99.4148

# Complementary

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



89.3432, 95.7038, 105.8592



88.3766, 91.2701, 97.7576

# 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.



92.0927, 95.7038, 100.4910



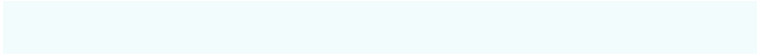
89.3432, 95.7038, 105.8592



92.6732, 95.7038, 105.1172

# Square

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



89.3432, 95.7038, 105.8592



91.5393, 95.7038, 108.9437



92.6035, 95.7038, 102.5685



90.3903, 95.7038, 99.6060

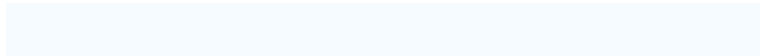


# Rectangle

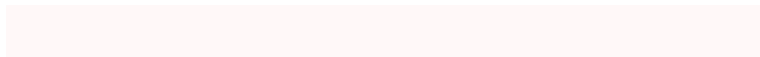
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



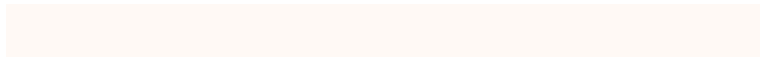
89.3432, 95.7038, 105.8592



90.3572, 95.7038, 108.9081



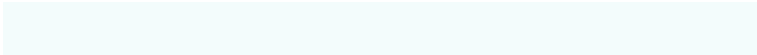
92.6035, 95.7038, 102.5685



91.5727, 95.7038, 99.6396

# Sweetspot

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



89.3459, 95.7079, 105.8613



94.1179, 99.5195, 108.8554



88.0047, 95.1774, 98.5280



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000

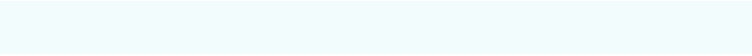


20.3446, 21.4041, 23.3091



# Same Dimension

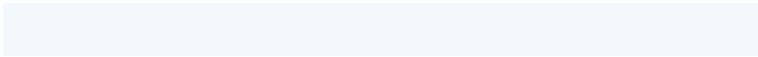
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3459, 95.7079, 105.8613



91.3957, 98.1162, 108.7250



87.9954, 93.0058, 105.4144



18.5926, 20.0348, 22.2715



27.2763, 39.9235, 54.1918

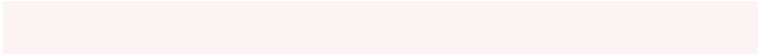


2.5264, 3.6977, 5.0197

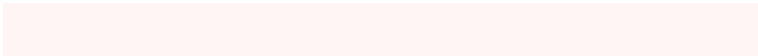


# Inverse Universe

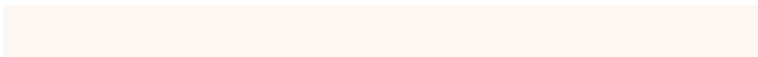
The Inverse Universe completely reimagines the original color for something new.



88.3766, 91.2701, 97.7576



90.2836, 93.0245, 99.4271



89.6940, 93.9058, 98.1936



18.3237, 18.8040, 20.0239



20.9124, 10.7807, 0.9812

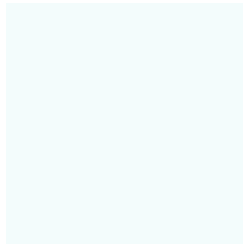


1.9370, 0.9985, 0.0915



# Previews

## White Background



This preview shows how the XYZ color 89.3432, 95.7038, 105.8592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

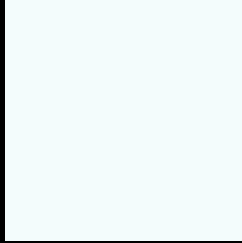
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3432, 95.7038, 105.8592 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 89.3432, 95.7038, 105.8592

## Background



This preview shows how black text looks on a background with the XYZ color 89.3432, 95.7038, 105.8592.



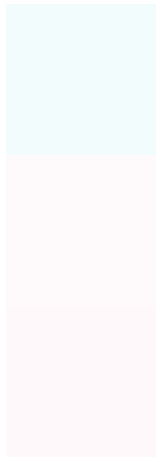
This preview shows how white text looks on a background with the XYZ color 89.3432, 95.7038,



# 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

89.3432, 95.7038, 105.8592

### Protanopia

92.0041, 95.7243, 104.0700

### Deuteranopia

92.2200, 95.3598, 104.8126

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy

## Original Color

89.3432, 95.7038, 105.8592

## Protanomaly

91.0225, 95.6602, 104.9337

## Deuteranomaly

91.0719, 95.2256, 104.8472

## Tritanomaly

90.7443, 95.9243, 107.4984

# Monochromacy

## Original Color

89.3432, 95.7038, 105.8592

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.7987, 95.0475, 104.0556

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3432, 95.7038, 105.8592 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(243, 252, 252) looks like.

```
.text, #text, p{  
    color:rgb(243, 252, 252)  
}
```

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(243, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 252, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3432, 95.7038, 105.8592 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(243, 252, 252) }
```



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

```
.border{ border-color:rgb(243, 252, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(243, 252,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3432, 95.7038, 105.8592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 252, 252) }
```

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

```
.background{ background-color: rgb(243,  
252, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor