

# Converting Colors

XYZ(91.3810, 100.0000,  
106.0397)

Have a look what the booklet for  
XYZ(91.3810, 100.0000, 106.0397)  
contains.

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# **Color**

**XYZ(90.1347, 97.5397,  
105.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFFB
RGB	243, 255, 251
RGB Percent	95%, 100%, 98%
CMY	0.0471, 0.0000, 0.0157
CMYK	0.05, 0.00, 0.02, 0.00
HSL	160°, 100%, 98%
HSV	160°, 5%, 100%
XYZ	90.1347, 97.5397, 105.3432
YIQ	250.9560, -5.8680, -3.7880

# Conversions

## Conversions Part 2

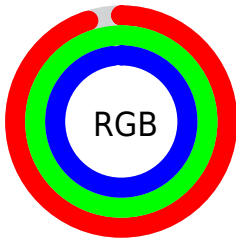
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 250, 255
Decimal	15990779
CIE Lab	99.04, -4.63, 0.54
CIE LCh	99, 4.663, 173.382
Yxy	97.5397, 0.3076, 0.3329
Android (android.graphics.Color)	4294180859 (0xFF3FFFB)
YUV	250.9560, 0.0217, -6.9774
Hunter-Lab	98.7622, -9.9269, 5.8927

# Details

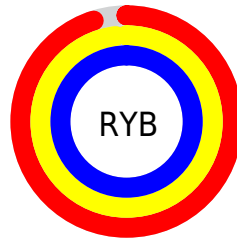
The XYZ color 90.1347, 97.5397, 105.3432 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0796, 92.0776, 101.0207, and the grayscale version is 91.6608, 96.4343, 105.0170.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.5379, 54.8931, 59.5616 is the 20% darker color. If you saturate the color by 10%, you get 80.6275, 92.7899, 98.0628, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

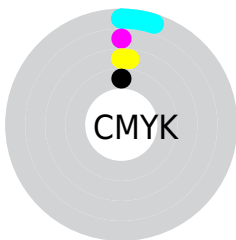
# Distribution



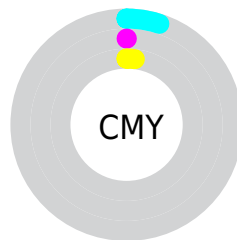
- Red (95%)
- Green (100%)
- Blue (98%)



- 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 90.1347, 97.5397, 105.3432 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 90.1347, 97.5397, 105.3432 by changing the saturation by 10% instead.



90.1347, 97.5397,  
105.3432

90.1347, 97.5397,  
105.3432

516.7003,  
552.2640, 598.5834

68.4290, 74.2506,  
80.1287

146.4029,  
157.7687, 170.5965

50.5218, 54.9991,  
59.2974

181.6961,  
195.4773, 211.4723

36.0477, 39.4010,  
42.4310

222.2492,  
238.7612, 258.4056

24.6413, 27.0719,  
29.1108

268.4275,  
288.0048, 311.8149

15.9373, 17.6272,  
18.9184

320.5964,  
343.5925, 372.1188

9.5704, 10.6827,  
11.4351

379.1213,

5.1751, 5.8539,

405.9087, 439.7358

6.2425

444.3675,  
475.3377, 515.0845

■ 2.3862, 2.7564,  
2.9219

■ 0.8382, 1.0059,  
1.0549

■ 90.1347, 97.5397,  
105.3432

■ 90.1347, 97.5397,  
105.3432

■ 80.6275, 92.7899,  
98.0628

95.0500, 100.0000,  
108.9000

■ 72.3509, 88.6676,  
91.1483

■ 65.2515, 85.1454,  
84.5946

■ 59.2707, 82.1932,  
78.3948

■ 54.3450, 79.7784,  
72.5414

■ 50.4039, 77.8647,  
67.0268

■ 47.3684, 76.4114,  
61.8428

■ 45.1463, 75.3712,  
56.9804

■ 43.6247, 74.6859,  
52.4297

# Harmonies

## Analogous

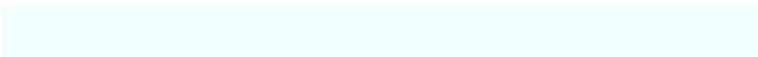
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6251, 97.5397, 101.7986



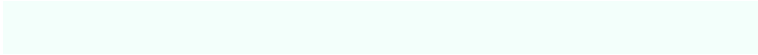
90.1347, 97.5397, 105.3432



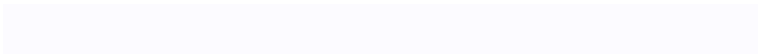
90.3285, 97.5397, 109.2047

# Triad

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



90.1347, 97.5397, 105.3432



93.7504, 97.5397, 113.2290



94.2774, 97.5397, 100.3048

# Complementary

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



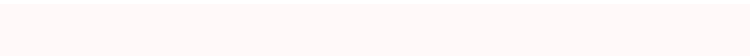
90.1347, 97.5397, 105.3432



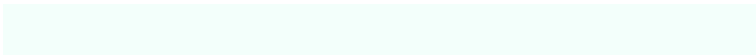
90.0796, 92.0776, 101.0207

# 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.



95.1300, 97.5397, 103.2591



90.1347, 97.5397, 105.3432



94.8237, 97.5397, 110.7350

# Square

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



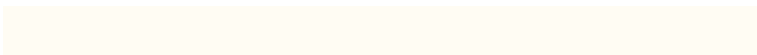
90.1347, 97.5397, 105.3432



92.4074, 97.5397, 113.8199



95.3310, 97.5397, 107.0698

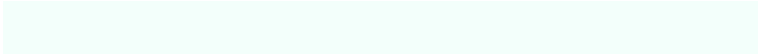


93.0103, 97.5397, 98.9359



# Rectangle

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



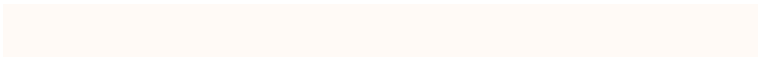
90.1347, 97.5397, 105.3432



90.8206, 97.5397, 111.4326



95.3310, 97.5397, 107.0698



94.6225, 97.5397, 101.1418

# Sweetspot

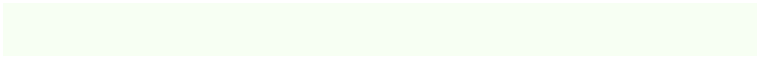
The Sweet Spot groups the original color and five complimentary colors.



90.1356, 97.5401, 105.3447



93.9815, 99.4650, 108.1374



90.2961, 97.7655, 98.9069



20.1272, 21.2952, 23.1539



0.0000, 0.0000, 0.0000

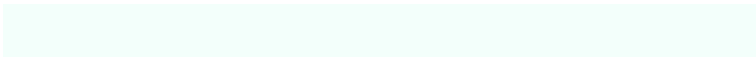


20.3446, 21.4041, 23.3091



# Same Dimension

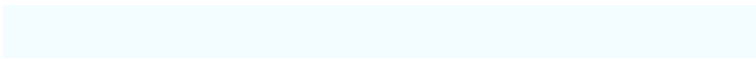
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1356, 97.5401, 105.3447



88.8333, 96.8888, 104.3809



90.1381, 96.5257, 108.4883



18.8751, 20.6687, 22.2383



22.5501, 38.9166, 26.5796

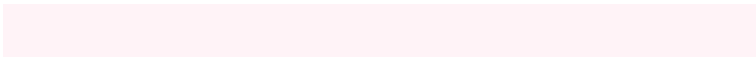


2.2464, 3.8095, 2.8552



# Inverse Universe

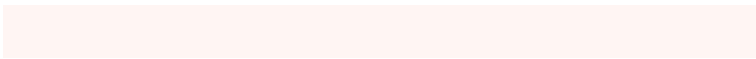
The Inverse Universe completely reimagines the original color for something new.



90.0796, 92.0776, 101.0207



88.7625, 89.9840, 98.9153



90.0708, 93.0368, 98.0060



18.8584, 19.0372, 20.9468



22.4666, 11.4759, 5.8414



2.2358, 1.1367, 0.8229



# Previews

## White Background



This preview shows how the XYZ color 90.1347, 97.5397, 105.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

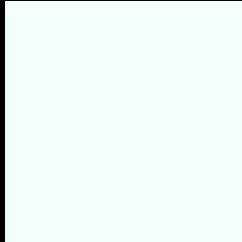
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.1347, 97.5397, 105.3432 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 90.1347, 97.5397, 105.3432

## Background



This preview shows how black text looks on a background with the XYZ color 90.1347, 97.5397, 105.3432.



This preview shows how white text looks on a background with the XYZ color 90.1347, 97.5397,



# 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

A vertical bar on the left side of the page is divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. These sections correspond to the 'Original Color', 'Protanopia', and 'Deuteranopia' labels respectively.

### Original Color

90.1347, 97.5397, 105.3432

### Protanopia

92.9925, 97.1565, 104.2943

### Deuteranopia

93.3079, 97.2826, 105.9550

## **Tritanopia**

92.6441, 97.3500, 108.5153

# Trichromacy



**Original Color**

90.1347, 97.5397, 105.3432

**Protanomaly**

91.8494, 97.0322, 104.3306

**Deuteranomaly**

92.1648, 97.1583, 105.9913

**Tritanomaly**

91.7261, 97.3628, 107.7243

# Monochromacy



**Original Color**

90.1347, 97.5397, 105.3432

**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 90.1347, 97.5397, 105.3432 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, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(243, 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(243, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 90.1347, 97.5397, 105.3432 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, 255, 251) }
```



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

```
.border{ border-color:rgb(243, 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(243, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.1347, 97.5397, 105.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 251) }
```

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

```
.background{ background-color: rgb(243,  
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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