

# Converting Colors

XYZ(115.2326, 147.1641,  
111.8670)

Have a look what the booklet for  
XYZ(115.2326, 147.1641, 111.8670)  
contains.

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# **Color**

**XYZ(90.5151, 97.7720,  
103.7238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFF9
RGB	245, 255, 249
RGB Percent	96%, 100%, 98%
CMY	0.0392, 0.0000, 0.0235
CMYK	0.04, 0.00, 0.02, 0.00
HSL	144°, 100%, 98%
HSV	144°, 4%, 100%
XYZ	90.5151, 97.7720, 103.7238
YIQ	251.3260, -4.0340, -3.9860

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">245, 252, 255</a>
Decimal	<a href="#">16121849</a>
CIELab	<a href="#">99.13, -4.34, 1.71</a>
CIELCh	<a href="#">99, 4.662, 158.433</a>
Yxy	<a href="#">97.7720, 0.3100, 0.3348</a>
Android (android.graphics.Color)	<a href="#">4294311929 (0xFFFF5FFF9)</a>
YUV	<a href="#">251.3260, -1.1467, -5.5479</a>
Hunter-Lab	<a href="#">98.8797, -9.6395, 7.0212</a>

# Details

The XYZ color 90.5151, 97.7720, 103.7238 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.3056, 93.5310, 104.5077, and the grayscale version is 91.9766, 96.7666, 105.3788.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8060, 55.0572, 58.4014 is the 20% darker color. If you saturate the color by 10%, you get 79.9334, 92.5815, 91.2760, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



- Red (96%)
- Green (100%)
- Blue (98%)



- Red (96%)
- Yellow (99%)
- Blue (100%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.5151, 97.7720, 103.7238 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 90.5151, 97.7720, 103.7238 by changing the saturation by 10% instead.



90.5151, 97.7720,  
103.7238

90.5151, 97.7720,  
103.7238

517.9180,  
553.0017, 593.4150

68.7456, 74.4443,  
78.7799

146.9284,  
158.0887, 168.3615

50.7805, 55.1577,  
58.1946

182.3029,  
195.8465, 208.8925

36.2543, 39.5280,  
41.5494

222.9432,  
239.1831, 255.4562

24.8016, 27.1707,  
28.4257

269.2146,  
288.4828, 308.4712

16.0573, 17.7015,  
18.4050

321.4824,  
344.1302, 368.3560

9.6558, 10.7359,  
11.0687

380.1120,

5.2319, 5.8895,

406.5095, 435.5292

5.9983

445.4687,  
476.0052, 510.4094

■ 2.4201, 2.7780,  
2.7753

■ 0.8551, 1.0170,  
0.9811

■ 90.5151, 97.7720,  
103.7238

■ 90.5151, 97.7720,  
103.7238

■ 79.9334, 92.5815,  
91.2760

95.0500, 100.0000,  
108.9000

■ 70.7167, 88.0728,  
79.8809

■ 62.8078, 84.2170,  
69.5123

■ 56.1446, 80.9824,  
60.1414

■ 50.6594, 78.3350,  
51.7379

■ 46.2779, 76.2370,  
44.2700

■ 42.9169, 74.6462,  
37.7040

■ 40.4804, 73.5138,  
32.0042

■ 38.8521, 72.7806,  
27.1315

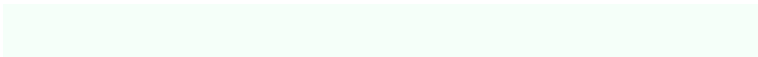
# Harmonies

## Analogous

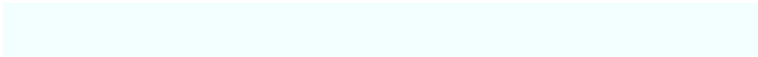
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3110, 97.7720, 100.6894



90.5151, 97.7720, 103.7238



90.3628, 97.7720, 107.5607

# Triad

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



90.5151, 97.7720, 103.7238



93.3139, 97.7720, 114.0498



94.9959, 97.7720, 101.8628

# Complementary

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



90.5151, 97.7720, 103.7238



91.3056, 93.5310, 104.5077

# 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.



95.5440, 97.7720, 105.3610



90.5151, 97.7720, 103.7238



94.5667, 97.7720, 112.4410

# Square

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



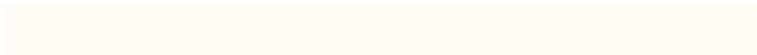
90.5151, 97.7720, 103.7238



91.9700, 97.7720, 113.5855



95.3862, 97.7720, 109.2380



93.8954, 97.7720, 99.6333



# Rectangle

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



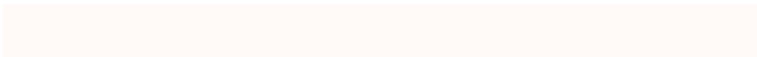
90.5151, 97.7720, 103.7238



90.6454, 97.7720, 110.0681



95.3862, 97.7720, 109.2380



95.2514, 97.7720, 102.9259

# Sweetspot

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



90.5160, 97.7725, 103.7253



93.8727, 99.4214, 107.5643



92.0256, 98.6221, 100.5734



20.1050, 21.2864, 23.0373



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

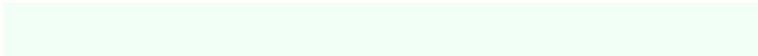


# Same Dimension

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



90.5160, 97.7725, 103.7253



89.3065, 97.1786, 102.3303



91.3063, 98.0886, 107.8867



18.9486, 20.7184, 21.7099



20.0078, 37.8997, 13.1925

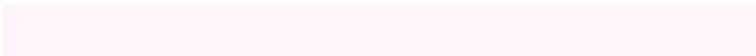


2.0003, 3.7110, 1.5594



# Inverse Universe

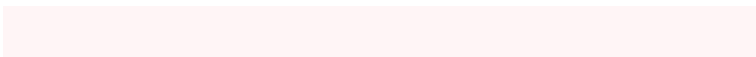
The Inverse Universe completely reimagines the original color for something new.



91.3056, 93.5310, 104.5077



90.3061, 91.8090, 103.3208



90.5278, 93.2199, 100.4120



19.1915, 19.4138, 21.9505



24.6281, 12.3405, 17.2239



2.4520, 1.2232, 1.9614



# Previews

## White Background



This preview shows how the XYZ color 90.5151, 97.7720, 103.7238 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 90.5151, 97.7720, 103.7238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

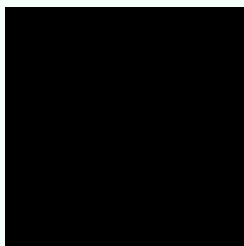
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.5151, 97.7720, 103.7238

## Background



This preview shows how black text looks on a background with the XYZ color 90.5151, 97.7720, 103.7238.



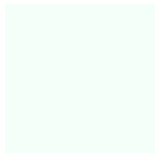
This preview shows how white text looks on a background with the XYZ color 90.5151, 97.7720,

103.7238.

# 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

90.5151, 97.7720, 103.7238

### Protanopia

93.3057, 97.7829, 104.3987

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy

**Original Color**

90.5151, 97.7720, 103.7238

**Protanomaly**

92.1643, 97.6619, 104.4355

**Deuteranomaly**

92.3215, 97.7248, 105.2637

**Tritanomaly**

91.9218, 97.4821, 106.8996

# Monochromacy

**Original Color**

90.5151, 97.7720, 103.7238

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.1326, 96.6627, 104.2970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.5151, 97.7720, 103.7238 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(245, 255, 249) looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 90.5151, 97.7720, 103.7238 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(245, 255, 249) }
```



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

```
.border{ border-color:rgb(245, 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(245, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.5151, 97.7720, 103.7238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 249) }
```

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

```
.background{ background-color: rgb(245,  
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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