

# Converting Colors

XYZ(84.6860, 100.0000,  
91.2443)

Have a look what the booklet for  
XYZ(84.6860, 100.0000, 91.2443)  
contains.

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# Color

**XYZ(81.3768, 93.3537,  
90.0740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFE8
RGB	225, 255, 232
RGB Percent	88%, 100%, 91%
CMY	0.1176, 0.0000, 0.0902
CMYK	0.12, 0.00, 0.09, 0.00
HSL	134°, 100%, 94%
HSV	134°, 12%, 100%
XYZ	81.3768, 93.3537, 90.0740
YIQ	243.4080, -10.4970, -13.5130

# Conversions

## Conversions Part 2

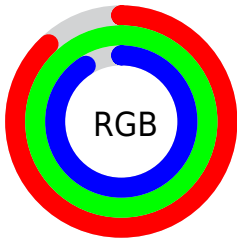
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 249, 255
Decimal	14811112
CIE Lab	97.37, -13.89, 7.72
CIE LCh	97, 15.890, 150.939
Yxy	93.3537, 0.3073, 0.3525
Android (android.graphics.Color)	4293001192 (0xFFE1FFE8)
YUV	243.4080, -5.6241, -16.1438
Hunter-Lab	96.6197, -18.7450, 12.3605

# Details

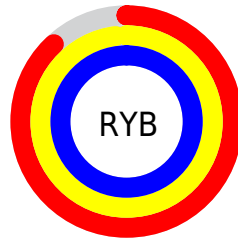
The XYZ color **81.3768, 93.3537, 90.0740** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.1089, 81.8886, 100.1270**, and the grayscale version is **85.5653, 90.0214, 98.0333**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6081, 52.0688, 48.7735** is the 20% darker color. If you saturate the color by 10%, you get **71.3874, 88.5072, 75.9081**, and if you desaturate by 10%, it is **92.8640, 98.9367, 105.9254**.

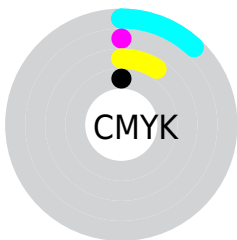
# Distribution



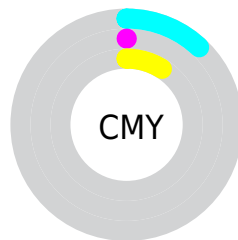
- Red (88%)
- Green (100%)
- Blue (91%)



- Red (88%)
- Yellow (98%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3768, 93.3537, 90.0740 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 81.3768, 93.3537, 90.0740 by changing the saturation by 10% instead.




 81.3768, 93.3537,  
90.0740

 81.3768, 93.3537,  
90.0740


488.2269,  
538.8810, 548.8479

 61.1643, 70.7655,  
67.4680


134.2401,  
151.9882, 149.3776

 44.6108, 52.1509,  
49.0010

167.6217,  
188.8033, 186.9122

 31.3510, 37.1253,  
34.2547


206.1236,  
231.1295, 230.2602

 21.0194, 25.3046,  
22.8104

250.1113,  
279.3513, 279.8399

 13.2507, 16.3041,  
14.2496

299.9501,  
333.8529, 336.0700

 7.6796, 9.7396,  
8.1537

356.0054,

 3.9407, 5.2266,

395.0188, 399.3690

4.1043

418.6426,  
463.2333, 470.1554

■ 1.6686, 2.3809,  
1.6827

■ 0.4365, 0.8160,  
0.3489

■ 81.3768, 93.3537,  
90.0740

■ 81.3768, 93.3537,  
90.0740

■ 71.3874, 88.5072,  
75.9081

■ 92.8640, 98.9367,  
105.9254

■ 62.8308, 84.3648,  
63.3679

95.0500, 100.0000,  
108.9000

■ 55.6408, 80.8936,  
52.3963

■ 49.7451, 78.0577,  
42.9312

■ 45.0643, 75.8174,  
34.9067

■ 41.5102, 74.1288,  
28.2514

■ 38.9821, 72.9416,  
22.8883

■ 37.3602, 72.1958,  
18.7321

■ 36.5626, 71.8410,  
16.1465

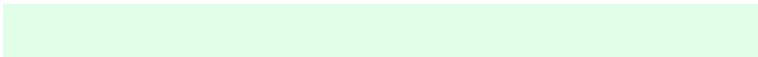
# Harmonies

## Analogous

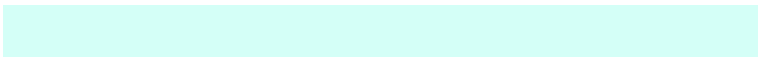
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3537, 93.3537, 81.8318



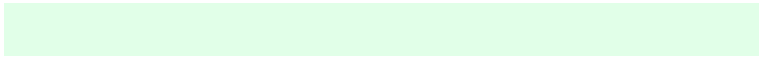
81.3768, 93.3537, 90.0740



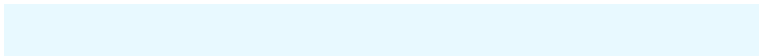
80.3535, 93.3537, 102.0529

# Triad

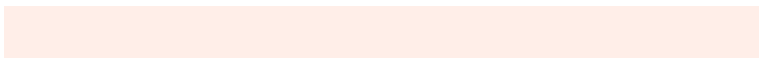
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3768, 93.3537, 90.0740



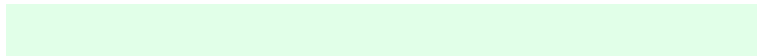
88.8718, 93.3537, 128.5021



96.3632, 93.3537, 89.4266

# Complementary

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



81.3768, 93.3537, 90.0740



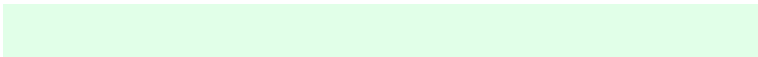
85.1089, 81.8886, 100.1270

# 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.



97.6691, 93.3537, 101.2408



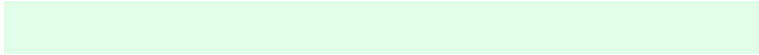
81.3768, 93.3537, 90.0740



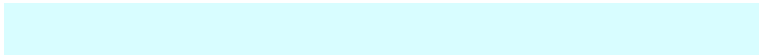
93.2549, 93.3537, 124.4260

# Square

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



81.3768, 93.3537, 90.0740



84.5914, 93.3537, 124.8913



96.5131, 93.3537, 114.1696

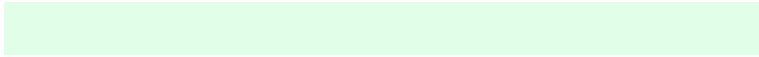


93.0012, 93.3537, 81.4808



# Rectangle

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



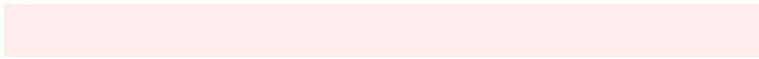
81.3768, 93.3537, 90.0740



80.8886, 93.3537, 110.7653



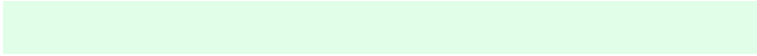
96.5131, 93.3537, 114.1696



97.0622, 93.3537, 93.0421

# Sweetspot

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



81.3776, 93.3541, 90.0755



90.1628, 97.6231, 102.2326



88.0624, 96.9129, 85.3000



19.1077, 20.8026, 21.6202



0.0000, 0.0000, 0.0000

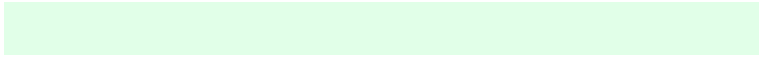


20.3446, 21.4041, 23.3091

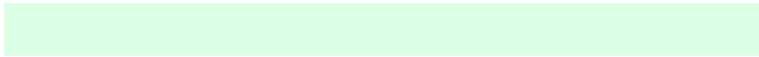


# Same Dimension

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



81.3776, 93.3541, 90.0755



79.0161, 92.2076, 86.7636



83.6004, 94.2432, 101.7806



17.9452, 20.2376, 20.0145



19.1519, 37.5574, 8.6853



1.9047, 3.6728, 1.0559



# Inverse Universe

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



85.1089, 81.8886, 100.1270



83.3873, 78.7747, 98.5383



82.8738, 80.9946, 88.3573



18.6007, 18.2236, 21.7804



26.7855, 13.2035, 28.5847



2.6498, 1.3023, 3.0035



# Previews

## White Background



This preview shows how the XYZ color 81.3768, 93.3537, 90.0740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

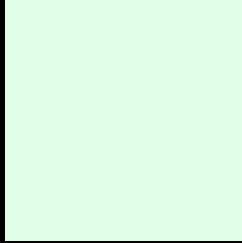
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.3768, 93.3537, 90.0740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

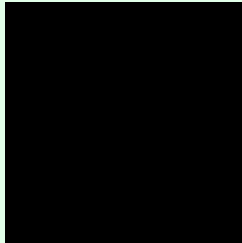
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

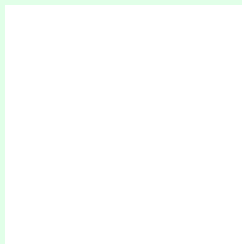
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.3768, 93.3537, 90.0740**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.3768, 93.3537, 90.0740.



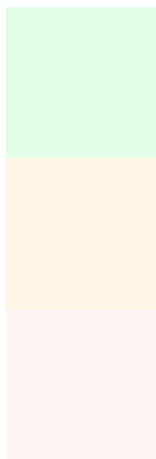
This preview shows how white text looks on a background with the XYZ color 81.3768, 93.3537,

90.0740.

# 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

81.3768, 93.3537, 90.0740

### Protanopia

88.4787, 92.8847, 88.1281

### Deuteranopia

90.2215, 93.0965, 98.8022

## **Tritanopia**

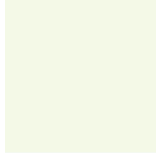
88.2354, 93.2320, 107.9528

# Trichromacy



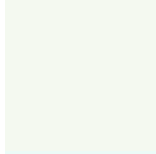
## Original Color

81.3768, 93.3537, 90.0740



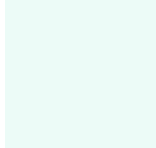
## Protanomaly

85.6077, 92.7540, 88.9926



## Deuteranomaly

86.9121, 93.2757, 95.8613



## Tritanomaly

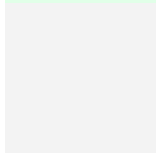
85.8778, 93.5426, 101.5250

# Monochromacy



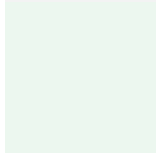
## Original Color

81.3768, 93.3537, 90.0740



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

83.4328, 90.5864, 94.7489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.3768, 93.3537, 90.0740 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(225, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 232)  
}
```

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(225, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 81.3768, 93.3537, 90.0740 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(225, 255, 232) }
```



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

```
.border{ border-color:rgb(225, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.3768, 93.3537, 90.0740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 232) }
```

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

```
.background{ background-color: rgb(225,  
255, 232) }
```

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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