

# Converting Colors

XYZ(82.7995, 99.6378, 85.0492)

Have a look what the booklet for  
XYZ(82.7995, 99.6378, 85.0492)  
contains.

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# Color

**XYZ(79.3387, 92.4314,  
84.1805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFEE0
RGB	222, 255, 224
RGB Percent	87%, 100%, 88%
CMY	0.1294, 0.0000, 0.1216
CMYK	0.13, 0.00, 0.12, 0.00
HSL	124°, 100%, 94%
HSV	124°, 13%, 100%
XYZ	79.3387, 92.4314, 84.1805
YIQ	241.5990, -9.7170, -16.6370

# Conversions

## Conversions Part 2

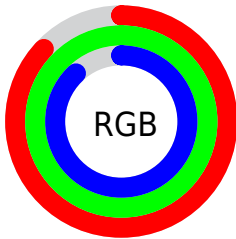
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 253, 255
Decimal	14614496
CIE <sub>Lab</sub>	97.00, -16.27, 11.26
CIE <sub>LCh</sub>	97, 19.788, 145.317
Yxy	92.4314, 0.3100, 0.3611
Android (android.graphics.Color)	4292804576 (0xFFDEFFE0)
YUV	241.5990, -8.6763, -17.1883
Hunter-Lab	96.1413, -20.9435, 15.3850

# Details

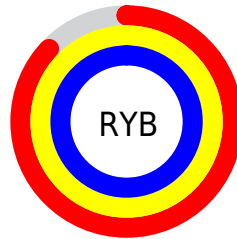
The XYZ color **79.3387, 92.4314, 84.1805** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **85.0911, 80.5951, 103.9995**, and the grayscale version is **84.1525, 88.5350, 96.4146**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2919, 51.4682, 45.1888** is the 20% darker color. If you saturate the color by 10%, you get **69.0865, 87.4955, 67.9201**, and if you desaturate by 10%, it is **91.2313, 98.1600, 102.9095**.

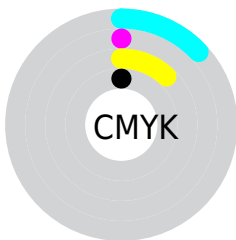
# Distribution



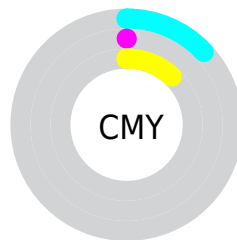
- Red (87%)
- Green (100%)
- Blue (88%)



- Red (87%)
- Yellow (99%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3387, 92.4314, 84.1805 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 79.3387, 92.4314, 84.1805 by changing the saturation by 10% instead.




 79.3387, 92.4314,  
84.1805

 79.3387, 92.4314,  
84.1805

481.4720,  
535.9088, 528.9861

 59.4809, 69.9990,  
62.6182


131.3910,  
150.7112, 141.0916

 43.2482, 51.5257,  
45.0934


164.3162,  
187.3273, 177.2775

 30.2753, 36.6272,  
31.1875


202.3280,  
229.4402, 219.1751

 20.1968, 24.9190,  
20.4820

245.7916,  
277.4341, 267.2028

 12.6472, 16.0167,  
12.5584

295.0724,  
331.6935, 321.7792

 7.2614, 9.5360,  
6.9980

350.5359,

 3.6739, 5.0924,

392.6029, 383.3229

3.3824

412.5473,  
460.5465, 452.2524

■ 1.5194, 2.3016,  
1.2931

■ 0.3389, 0.7745,  
0.0561

■ 79.3387, 92.4314,  
84.1805

■ 79.3387, 92.4314,  
84.1805

■ 69.0865, 87.4955,  
67.9201

■ 91.2313, 98.1600,  
102.9095

■ 60.4007, 83.3164,  
54.0214

95.0500, 100.0000,  
108.9000

■ 53.2046, 79.8570,  
42.3758

■ 47.4145, 77.0766,  
32.8647

■ 42.9382, 74.9305,  
25.3586

■ 39.6726, 73.3686,  
19.7141

■ 37.4992, 72.3332,  
15.7684

■ 36.2753, 71.7549,  
13.3312

■ 35.8495, 71.5558,  
12.3915

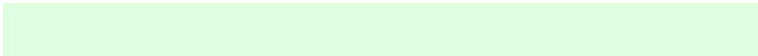
# Harmonies

## Analogous

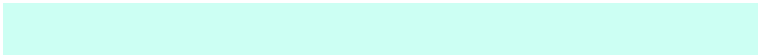
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3532, 92.4314, 75.3876



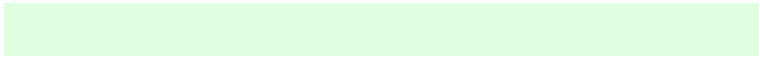
79.3387, 92.4314, 84.1805



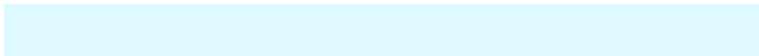
77.6072, 92.4314, 98.1591

# Triad

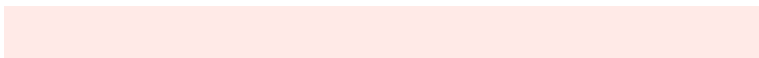
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.3387, 92.4314, 84.1805



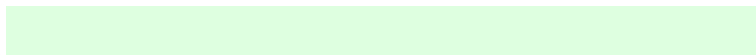
86.9820, 92.4314, 134.4057



97.8928, 92.4314, 88.0892

# Complementary

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



79.3387, 92.4314, 84.1805



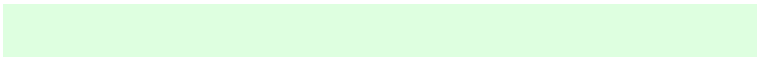
85.0911, 80.5951, 103.9995

# 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.



98.9637, 92.4314, 103.1666



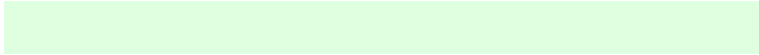
79.3387, 92.4314, 84.1805



92.5124, 92.4314, 130.9873

# Square

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



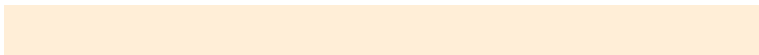
79.3387, 92.4314, 84.1805



81.8998, 92.4314, 128.0253



96.9562, 92.4314, 119.1209

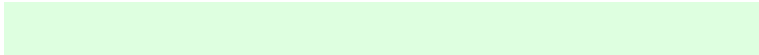


94.0885, 92.4314, 77.4715

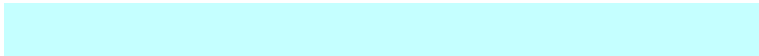


# Rectangle

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



79.3387, 92.4314, 84.1805



77.9249, 92.4314, 108.9626



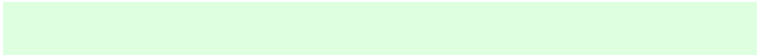
96.9562, 92.4314, 119.1209



98.5911, 92.4314, 92.7563

# Sweetspot

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



79.3394, 92.4317, 84.1819



89.8918, 97.5147, 100.8059



89.5806, 97.7424, 83.2529



19.0395, 20.7753, 21.2606



0.0000, 0.0000, 0.0000

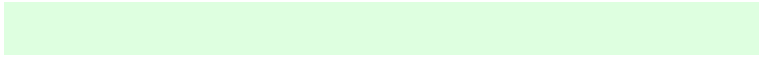


20.3446, 21.4041, 23.3091

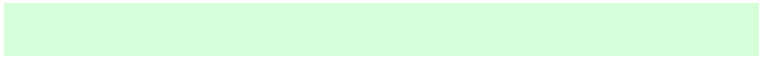


# Same Dimension

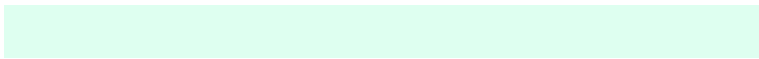
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3394, 92.4317, 84.1819



76.0319, 90.8390, 78.9497



81.6352, 93.3500, 96.2711



17.8162, 20.1860, 19.3352



18.7493, 37.3963, 6.5650



1.8405, 3.6471, 0.7180



# Inverse Universe

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



85.0911, 80.5951, 103.9995



82.9914, 76.5161, 102.9283



82.6259, 79.6089, 91.0177



18.7423, 18.2802, 22.5261



29.7518, 14.3900, 44.2051



2.9107, 1.4067, 4.3771



# Previews

## White Background



This preview shows how the XYZ color 79.3387, 92.4314, 84.1805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

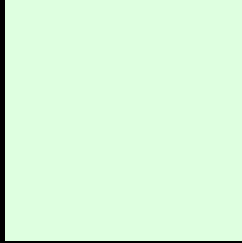
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3387, 92.4314, 84.1805 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

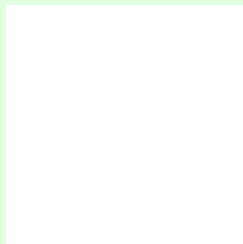
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.3387, 92.4314, 84.1805**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.3387, 92.4314, 84.1805.



This preview shows how white text looks on a background with the XYZ color 79.3387, 92.4314,

84.1805.

# Color Blindness Simulation

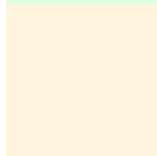
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



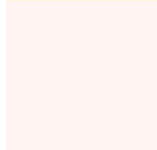
### Original Color

79.3387, 92.4314, 84.1805



### Protanopia

87.2117, 91.8925, 82.9525



### Deuteranopia

89.4679, 92.3122, 96.3217

## **Tritanopia**

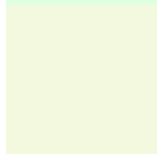
87.2459, 92.2668, 107.8187

# Trichromacy



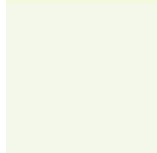
## Original Color

79.3387, 92.4314, 84.1805



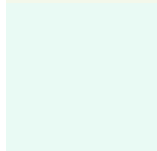
## Protanomaly

84.1571, 92.1338, 83.1601



## Deuteranomaly

85.5249, 92.1876, 91.8836



## Tritanomaly

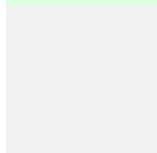
84.1190, 92.2265, 98.9559

# Monochromacy



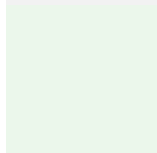
## Original Color

79.3387, 92.4314, 84.1805



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.5171, 90.1819, 91.6550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3387, 92.4314, 84.1805 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(222, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 224)  
}
```

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(222, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3387, 92.4314, 84.1805 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(222, 255, 224) }
```



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

```
.border{ border-color:rgb(222, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3387, 92.4314, 84.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 224) }
```

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

```
.background{ background-color: rgb(222,  
255, 224) }
```

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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