

# Converting Colors

XYZ(86.7604, 96.2108, 86.6346)

Have a look what the booklet for  
XYZ(86.7604, 96.2108, 86.6346)  
contains.

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# Color

**XYZ(86.9334, 96.2991,  
86.6788)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F4FFE3                     |
| RGB         | 244, 255, 227              |
| RGB Percent | 96%, 100%, 89%             |
| CMY         | 0.0431, 0.0000, 0.1098     |
| CMYK        | 0.04, 0.00, 0.11, 0.00     |
| HSL         | 84°, 100%, 95%             |
| HSV         | 84°, 11%, 100%             |
| XYZ         | 86.9334, 96.2991, 86.6788  |
| YIQ         | 248.5190, 2.4320, -11.0400 |

# Conversions

## Conversions Part 2

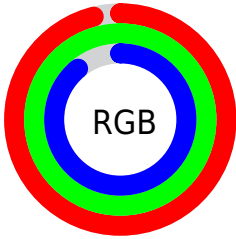
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 227, 255, 238                  |
| Decimal                             | 16056291                       |
| CIE <sub>Lab</sub>                  | 98.55, -8.41, 12.14            |
| CIE <sub>LCh</sub>                  | 99, 14.769, 124.696            |
| Yxy                                 | 96.2991, 0.3221,<br>0.3568     |
| Android<br>(android.graphics.Color) | 4294246371<br>(0xFFFF4FFE3)    |
| YUV                                 | 248.5190, -10.6089,<br>-3.9632 |
| Hunter-Lab                          | 98.1321, -13.6014,<br>16.3224  |

# Details

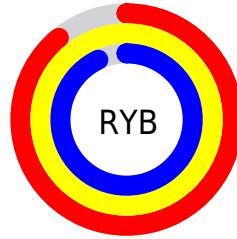
The XYZ color **86.9334, 96.2991, 86.6788** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.7797, 80.3365, 105.8567**, and the grayscale version is **89.7301, 94.4031, 102.8050**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3795, 54.0581, 46.9141** is the 20% darker color. If you saturate the color by 10%, you get **80.2883, 93.2505, 69.3360**, and if you desaturate by 10%, it is **94.2903, 99.6545, 106.7787**.

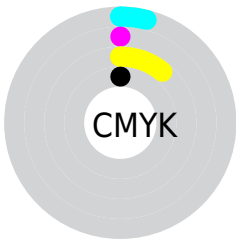
# Distribution



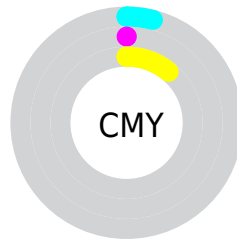
- Red (96%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9334, 96.2991, 86.6788 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 86.9334, 96.2991, 86.6788 by changing the saturation by 10% instead.




 86.9334, 96.2991,  
86.6788

 86.9334, 96.2991,  
86.6788


506.3918,  
548.3156, 537.4556

 65.7679, 73.2167,  
64.6713


141.9714,  
156.0581, 144.6113

 48.3511, 54.1532,  
46.7450


176.5747,  
193.5036, 181.3733

 34.3174, 38.7241,  
32.4812


216.3880,  
236.5054, 223.8907

 23.3016, 26.5452,  
21.4614

261.7767,  
285.4482, 272.5819

 14.9383, 17.2319,  
13.2672

313.1060,  
340.7162, 327.8654

 8.8621, 10.4000,  
7.4799

370.7414,

 4.7077, 5.6650,

402.6938, 390.1599

3.6810

435.0482,  
471.7655, 459.8837

■ 2.1098, 2.6424,  
1.4520

■ 0.6945, 0.9481,  
0.1818

■ 86.9334, 96.2991,  
86.6788

■ 86.9334, 96.2991,  
86.6788

■ 80.2883, 93.2505,  
69.3360

94.2903, 99.6545,  
106.7787

■ 74.3269, 90.4967,  
54.6255

95.0500, 100.0000,  
108.9000

■ 69.0224, 88.0268,  
42.4196

■ 64.3451, 85.8285,  
32.5779

■ 60.2626, 83.8886,  
24.9466

■ 56.7388, 82.1922,  
19.3532

■ 53.7329, 80.7225,  
15.5999

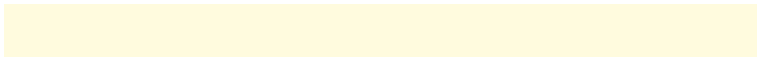
■ 51.1964, 79.4599,  
13.4497

■ 49.2445, 78.4715,  
12.5511

# Harmonies

## Analogous

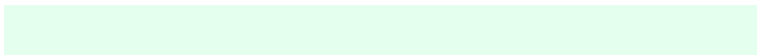
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8586, 96.2991, 83.1142



86.9334, 96.2991, 86.6788



84.3032, 96.2991, 95.1177

# Triad

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



86.9334, 96.2991, 86.6788



88.0637, 96.2991, 127.5884



99.9614, 96.2991, 102.9392

# Complementary

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



86.9334, 96.2991, 86.6788



80.7797, 80.3365, 105.8567

# Split Complementary

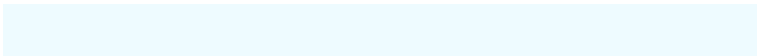
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.1571, 96.2991, 115.2316



86.9334, 96.2991, 86.6788



92.2035, 96.2991, 130.0867

# Square

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



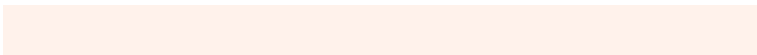
86.9334, 96.2991, 86.6788



84.9414, 96.2991, 118.8206



96.2846, 96.2991, 125.4058



98.4495, 96.2991, 92.0259



# Rectangle

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



86.9334, 96.2991, 86.6788



83.5926, 96.2991, 102.6942



96.2846, 96.2991, 125.4058



99.9534, 96.2991, 107.0426

# Sweetspot

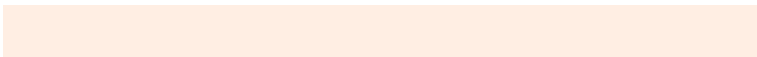
The Sweet Spot groups the original color and five complimentary colors.



86.9341, 96.2995, 86.6803



92.7456, 98.9515, 102.4905



85.6027, 87.8008, 85.1100



19.7219, 21.1207, 21.5798



0.0000, 0.0000, 0.0000

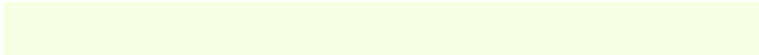


20.3446, 21.4041, 23.3091

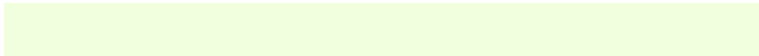


# Same Dimension

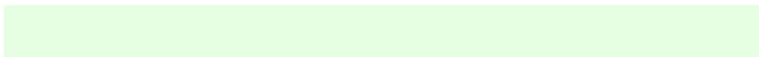
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9341, 96.2995, 86.6803



85.5350, 95.6592, 82.9578



82.3448, 93.9336, 86.4655



18.8301, 20.7138, 19.1500



25.9039, 41.0920, 6.5663



2.6450, 4.0643, 0.6451



# Inverse Universe

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



80.7797, 80.3365, 105.8567



78.3503, 77.0234, 105.3452



85.5681, 82.8050, 106.0808



17.6780, 17.7257, 22.7396



12.3433, 5.2737, 49.8019

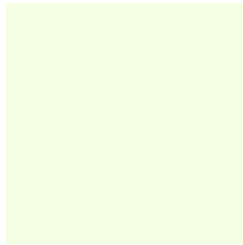


1.3203, 0.5745, 4.8546



# Previews

## White Background



This preview shows how the XYZ color 86.9334, 96.2991, 86.6788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

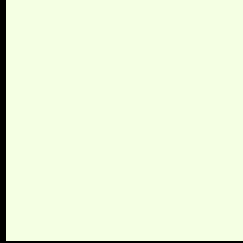
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9334, 96.2991, 86.6788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

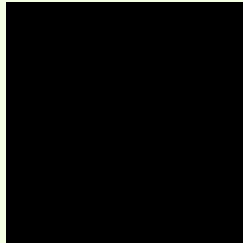
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

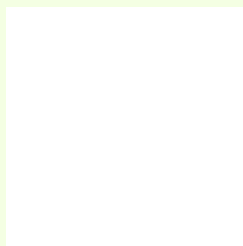
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.9334, 96.2991, 86.6788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.9334, 96.2991, 86.6788.



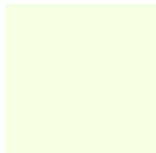
This preview shows how white text looks on a background with the XYZ color 86.9334, 96.2991,



# 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

86.9334, 96.2991, 86.6788

### Protanopia

91.3028, 95.9821, 96.9333

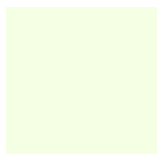
### Deuteranopia

92.3689, 96.4085, 102.5473

## **Tritanopia**

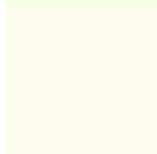
92.0193, 96.1004, 108.3070

# Trichromacy



## Original Color

86.9334, 96.2991, 86.6788



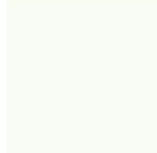
## Protanomaly

89.7344, 96.1862, 93.1932



## Deuteranomaly

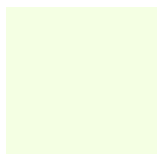
90.3222, 96.4213, 96.2888



## Tritanomaly

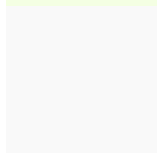
90.0032, 96.1698, 100.2052

# Monochromacy



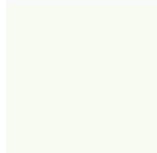
## Original Color

86.9334, 96.2991, 86.6788



## Achromatopsia

90.0415, 94.7307, 103.1617



## Achromatomaly

88.7321, 95.1194, 96.9023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9334, 96.2991, 86.6788 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(244, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 227)  
}
```

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(244, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9334, 96.2991, 86.6788 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(244, 255, 227) }
```



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

```
.border{ border-color:rgb(244, 255, 227) }
```

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

Here you see how a box with a 4 pixel rgb(244, 255, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9334, 96.2991, 86.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 227) }
```

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

```
.background{ background-color: rgb(244,  
255, 227) }
```

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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