

# Converting Colors

XYZ(87.7326, 95.3902, 93.1153)

Have a look what the booklet for  
XYZ(87.7326, 95.3902, 93.1153)  
contains.

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# **Color**

**XYZ(87.9218, 95.7192,  
93.1986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FDEC
RGB	245, 253, 236
RGB Percent	96%, 99%, 93%
CMY	0.0392, 0.0078, 0.0745
CMYK	0.03, 0.00, 0.07, 0.01
HSL	88°, 81%, 96%
HSV	88°, 7%, 99%
XYZ	87.9218, 95.7192, 93.1986
YIQ	248.6700, 0.6890, -6.9830

# Conversions

## Conversions Part 2

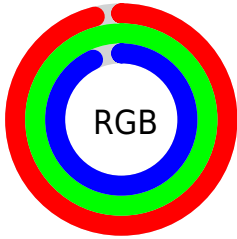
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 253, 244
Decimal	16121324
CIE Lab	98.32, -5.58, 7.21
CIE LCh	98, 9.117, 127.744
Yxy	95.7192, 0.3176, 0.3458
Android (android.graphics.Color)	4294311404 (0xFFFF5FDEC)
YUV	248.6700, -6.2463, -3.2186
Hunter-Lab	97.8362, -10.8019, 12.0058

# Details

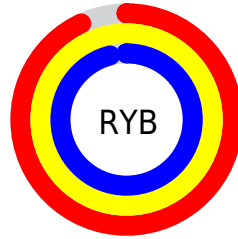
The XYZ color **87.9218, 95.7192, 93.1986** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.0371, 86.3185, 105.1128**, and the grayscale version is **89.8232, 94.5010, 102.9116**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9644, 53.5940, 50.9440** is the 20% darker color. If you saturate the color by 10%, you get **80.4817, 92.2815, 75.0022**, and if you desaturate by 10%, it is **94.4172, 98.7344, 108.6891**.

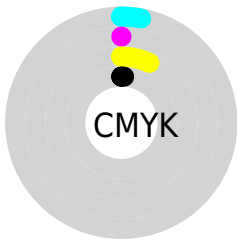
# Distribution



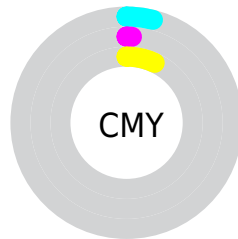
- Red (96%)
- Green (99%)
- Blue (93%)



- Red (93%)
- Yellow (99%)
- Blue (96%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (1%)



- Cyan (4%)
- Magenta (1%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9218, 95.7192, 93.1986 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 87.9218, 95.7192, 93.1986 by changing the saturation by 10% instead.



87.9218, 95.7192,  
93.1986

87.9218, 95.7192,  
93.1986

509.5863,  
546.4649, 559.2181

66.5889, 72.7337,  
70.0480

143.3414,  
155.2578, 153.7476

49.0201, 53.7583,  
51.0886

178.1587,  
192.5798, 191.9831

34.8500, 38.4084,  
35.9019

218.2016,  
235.4493, 236.0840

23.7133, 26.2998,  
24.0694

263.8354,  
284.2508, 286.4688

15.2447, 17.0481,  
15.1724

315.4254,  
339.3688, 343.5561

9.0787, 10.2688,  
8.7925

373.3370,

4.8501, 5.5775,

401.1875, 407.7644

4.5111

437.9355,  
470.0914, 479.5122

■ 2.1934, 2.5899,  
1.9097

■ 0.7393, 0.9216,  
0.4989

■ 87.9218, 95.7192,  
93.1986

■ 87.9218, 95.7192,  
93.1986

■ 80.4817, 92.2815,  
75.0022

94.4172, 98.7344,  
108.6891

■ 73.8004, 89.1747,  
59.4438

■ 67.8522, 86.3908,  
46.4025

■ 62.6067, 83.9170,  
35.7456

■ 58.0308, 81.7396,  
27.3280

■ 54.0884, 79.8435,  
20.9889

■ 50.7391, 78.2117,  
16.5459

■ 47.9362, 76.8250,  
13.7853

■ 45.6223, 75.6596,  
12.4375

# Harmonies

## Analogous

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



90.2994, 95.7192, 90.5378



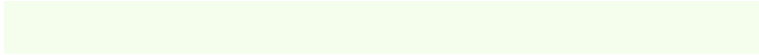
87.9218, 95.7192, 93.1986



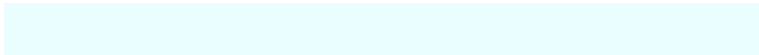
86.3840, 95.7192, 98.8396

# Triad

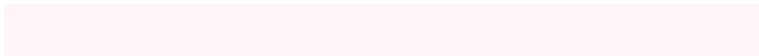
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9218, 95.7192, 93.1986



89.0789, 95.7192, 118.1886



96.0745, 95.7192, 102.2852

# Complementary

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



87.9218, 95.7192, 93.1986



85.0371, 86.3185, 105.1128

# Split Complementary

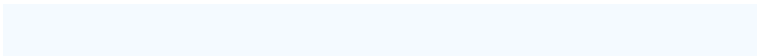
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7325, 95.7192, 109.7962



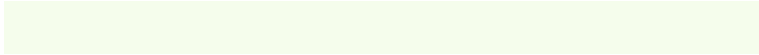
87.9218, 95.7192, 93.1986



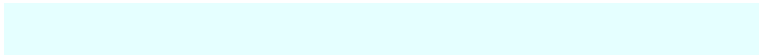
91.6604, 95.7192, 119.2198

# Square

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



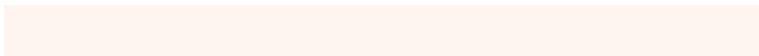
87.9218, 95.7192, 93.1986



87.0431, 95.7192, 113.3283



94.1047, 95.7192, 116.0819



95.0303, 95.7192, 95.6170



# Rectangle

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



87.9218, 95.7192, 93.1986



86.0248, 95.7192, 103.6537



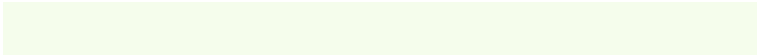
94.1047, 95.7192, 116.0819



96.1182, 95.7192, 104.7922

# Sweetspot

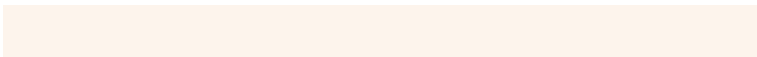
The Sweet Spot groups the original color and five complimentary colors.



87.9244, 95.7233, 93.2007



93.3619, 99.2233, 104.5916



87.9826, 91.6036, 92.4024



20.0010, 21.2460, 22.4320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

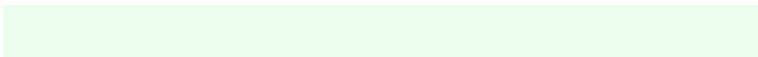
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9244, 95.7233, 93.2007



88.4924, 96.9790, 92.3494



85.0490, 94.2410, 93.0661



18.6894, 20.6413, 19.1435



24.0768, 40.1501, 6.4808



2.4705, 3.9743, 0.6369



# Inverse Universe

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



85.0371, 86.3185, 105.1128



85.0227, 85.6774, 106.6639



88.0307, 87.8618, 105.2529



17.8162, 17.7970, 22.7461



13.6510, 5.9478, 49.8631

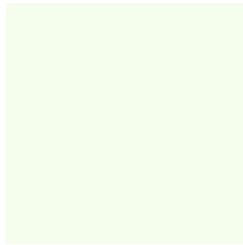


1.4540, 0.6435, 4.8608



# Previews

## White Background



This preview shows how the XYZ color 87.9218, 95.7192, 93.1986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

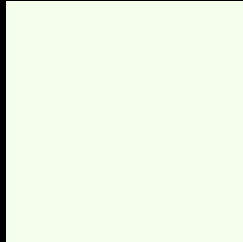
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9218, 95.7192, 93.1986 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

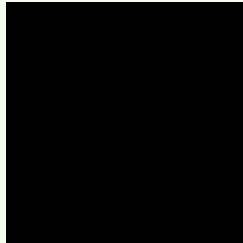
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

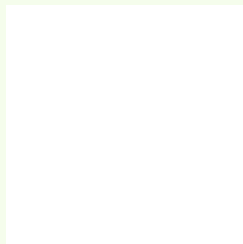
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 87.9218, 95.7192, 93.1986**

## **Background**



This preview shows how black text looks on a background with the XYZ color 87.9218, 95.7192, 93.1986.



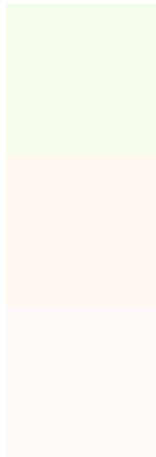
This preview shows how white text looks on a background with the XYZ color 87.9218, 95.7192,



# 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

87.9218, 95.7192, 93.1986

### Protanopia

90.9929, 95.3622, 96.8300

### Deuteranopia

92.0590, 95.7887, 102.4440

## **Tritanopia**

91.6599, 95.9152, 108.2902

# Trichromacy



**Original Color**

87.9218, 95.7192, 93.1986

**Protanomaly**

89.5493, 95.1124, 95.3001

**Deuteranomaly**

90.2984, 95.4121, 99.2451

**Tritanomaly**

90.1519, 95.7281, 102.5328

# Monochromacy



**Original Color**

87.9218, 95.7192, 93.1986

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.2261, 94.8593, 99.1949

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9218, 95.7192, 93.1986 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, 253, 236) looks like.

```
.text, #text, p{  
    color:rgb(245, 253, 236)  
}
```

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, 253, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 253, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9218, 95.7192, 93.1986 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, 253, 236) }
```



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

```
.border{ border-color:rgb(245, 253, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 253, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 253, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 253, 236);  
box-shadow:4px 4px 4px 4px rgb(245, 253,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9218, 95.7192, 93.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 253, 236) }
```

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

```
.background{ background-color: rgb(245,  
253, 236) }
```

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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