

# Converting Colors

XYZ(88.3075, 96.8779, 92.4083)

Have a look what the booklet for  
XYZ(88.3075, 96.8779, 92.4083)  
contains.

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# Color

**XYZ(88.4116, 96.9306,  
92.6470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFEB
RGB	245, 255, 235
RGB Percent	96%, 100%, 92%
CMY	0.0392, 0.0000, 0.0784
CMYK	0.04, 0.00, 0.08, 0.00
HSL	90°, 100%, 96%
HSV	90°, 8%, 100%
XYZ	88.4116, 96.9306, 92.6470
YIQ	249.7300, 0.4600, -8.3400

# Conversions

## Conversions Part 2

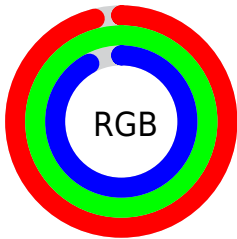
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 255, 245
Decimal	16121835
CIE Lab	98.80, -6.75, 8.41
CIE LCh	99, 10.785, 128.733
Yxy	96.9306, 0.3180, 0.3487
Android (android.graphics.Color)	4294311915 (0xFFFF5FFEB)
YUV	249.7300, -7.2619, -4.1482
Hunter-Lab	98.4533, -11.9994, 13.1240

# Details

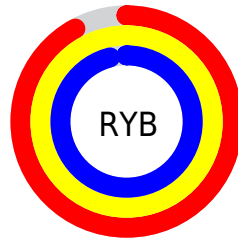
The XYZ color 88.4116, 96.9306, 92.6470 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.4153, 86.0504, 106.7153, and the grayscale version is 90.7007, 95.4242, 103.9170.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.3170, 54.4617, 50.5607 is the 20% darker color. If you saturate the color by 10%, you get 80.6915, 93.3464, 74.4127, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

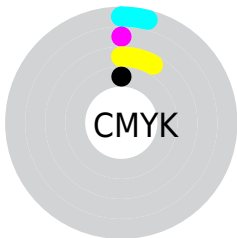
# Distribution



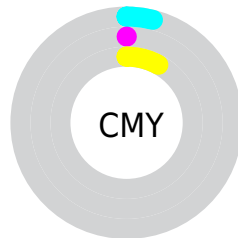
- Red (96%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.4116, 96.9306, 92.6470 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 88.4116, 96.9306, 92.6470 by changing the saturation by 10% instead.




 88.4116, 96.9306,  
92.6470

 88.4116, 96.9306,  
92.6470


511.1654,  
550.3273, 557.3951

 66.9959, 73.7429,  
69.5921


144.0197,  
156.9291, 152.9773

 49.3520, 54.5836,  
50.7193


178.9427,  
194.5087, 191.0897

 35.1145, 39.0684,  
35.6101


219.0990,  
237.6543, 235.0585

 23.9180, 26.8130,  
23.8459

264.8538,  
286.7504, 285.3020

 15.3972, 17.4328,  
15.0082

316.5725,  
342.1814, 342.2389

 9.1868, 10.5436,  
8.6785

374.6204,

 4.9213, 5.7608,

404.3316, 406.2877

4.4381

439.3630,  
473.5854, 477.8669

■ 2.2354, 2.7002,  
1.8686

■ 0.7613, 0.9773,  
0.4727

■ 88.4116, 96.9306,  
92.6470

■ 88.4116, 96.9306,  
92.6470

■ 80.6915, 93.3464,  
74.4127

95.0500, 100.0000,  
108.9000

■ 73.7768, 90.1189,  
58.8547

■ 67.6381, 87.2358,  
45.8480

■ 62.2429, 84.6834,  
35.2560

■ 57.5562, 82.4467,  
26.9291

■ 53.5393, 80.5096,  
20.7011

■ 50.1493, 78.8541,  
16.3833

■ 47.3362, 77.4592,  
13.7527

■ 45.0356, 76.2982,  
12.5114

# Harmonies

## Analogous

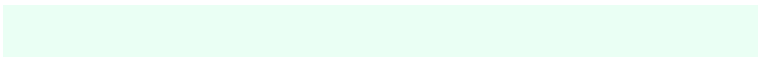
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2180, 96.9306, 89.3906



88.4116, 96.9306, 92.6470



86.6291, 96.9306, 99.4063

# Triad

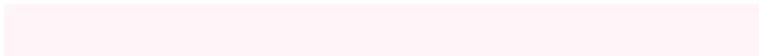
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4116, 96.9306, 92.6470



89.9619, 96.9306, 122.4485



98.2129, 96.9306, 102.9430

# Complementary

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



88.4116, 96.9306, 92.6470



85.4153, 86.0504, 106.7153

# Split Complementary

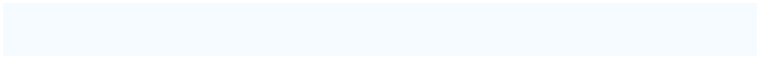
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8582, 96.9306, 111.9229



88.4116, 96.9306, 92.6470



93.0473, 96.9306, 123.5280

# Square

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



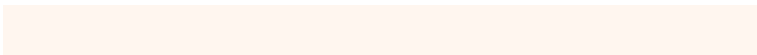
88.4116, 96.9306, 92.6470



87.5100, 96.9306, 116.7078



95.9505, 96.9306, 119.5789



96.9091, 96.9306, 95.1101



# Rectangle

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



88.4116, 96.9306, 92.6470



86.2374, 96.9306, 105.1601



95.9505, 96.9306, 119.5789



98.2843, 96.9306, 105.9227

# Sweetspot

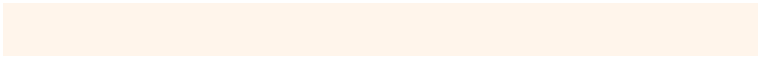
The Sweet Spot groups the original color and five complimentary colors.



88.4124, 96.9310, 92.6485



93.3077, 99.1954, 104.5891



88.7876, 92.3622, 91.7468



19.9900, 21.2404, 22.4315



0.0000, 0.0000, 0.0000

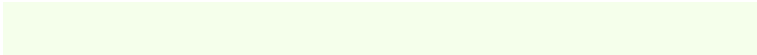


20.3446, 21.4041, 23.3091



# Same Dimension

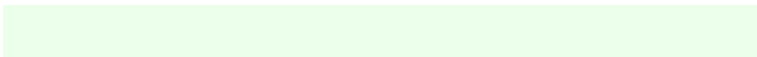
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4124, 96.9310, 92.6485



87.4764, 96.4974, 90.3965



85.1274, 95.2376, 92.4947



18.6370, 20.6143, 19.1410



23.4704, 39.8375, 6.4524



2.4112, 3.9438, 0.6341



# Inverse Universe

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



85.4153, 86.0504, 106.7153



84.0641, 84.1095, 106.4118



88.8764, 87.8346, 106.8772



17.8683, 17.8239, 22.7485



14.2155, 6.2389, 49.8896

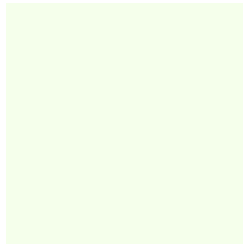


1.5101, 0.6724, 4.8635



# Previews

## White Background



This preview shows how the XYZ color 88.4116, 96.9306, 92.6470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

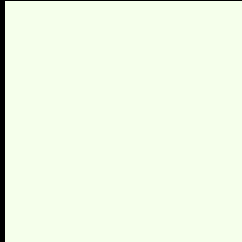
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.4116, 96.9306, 92.6470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

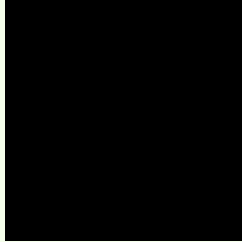
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

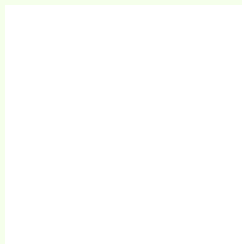
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.4116, 96.9306, 92.6470

## Background



This preview shows how black text looks on a background with the XYZ color 88.4116, 96.9306, 92.6470.



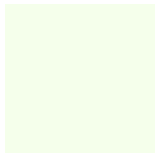
This preview shows how white text looks on a background with the XYZ color 88.4116, 96.9306,

92.6470.

# 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

88.4116, 96.9306, 92.6470



### Protanopia

92.0663, 96.7860, 99.4171

### Deuteranopia

92.6809, 96.5333, 104.1905

## **Tritanopia**

92.3308, 96.7236, 108.4109

# Trichromacy



**Original Color**

88.4116, 96.9306, 92.6470

**Protanomaly**

90.4712, 96.4809, 97.0734

**Deuteranomaly**

91.0755, 96.7226, 100.2553

**Tritanomaly**

90.8206, 96.5379, 102.6538

# Monochromacy



**Original Color**

88.4116, 96.9306, 92.6470

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.0032, 96.1698, 100.2052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.4116, 96.9306, 92.6470 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 88.4116, 96.9306, 92.6470 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, 235) }
```



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

```
.border{ border-color:rgb(245, 255, 235) }
```

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, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.4116, 96.9306, 92.6470 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, 235) }
```

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

```
.background{ background-color: rgb(245,  
255, 235) }
```

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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