

# Converting Colors

XYZ(90.2699, 100.0000,  
93.2890)

Have a look what the booklet for  
XYZ(90.2699, 100.0000, 93.2890)  
contains.

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# **Color**

**XYZ(88.7614, 97.1110,  
92.6633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6FFEB
RGB	246, 255, 235
RGB Percent	96%, 100%, 92%
CMY	0.0353, 0.0000, 0.0784
CMYK	0.04, 0.00, 0.08, 0.00
HSL	87°, 100%, 96%
HSV	87°, 8%, 100%
XYZ	88.7614, 97.1110, 92.6633
YIQ	250.0290, 1.0560, -8.1280

# Conversions

## Conversions Part 2

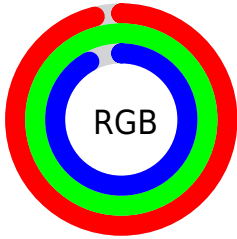
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 255, 244
Decimal	16187371
CIE Lab	98.87, -6.41, 8.52
CIE LCh	99, 10.667, 126.950
Yxy	97.1110, 0.3187, 0.3486
Android (android.graphics.Color)	4294377451 (0xFFFF6FFEB)
YUV	250.0290, -7.4093, -3.5334
Hunter-Lab	98.5449, -11.6750, 13.2301

# Details

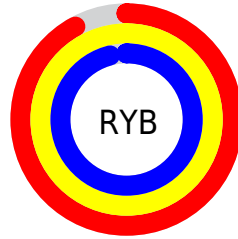
The XYZ color 88.7614, 97.1110, 92.6633 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.0673, 85.8709, 106.6990, and the grayscale version is 90.9484, 95.6848, 104.2007.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5660, 54.5900, 50.5723 is the 20% darker color. If you saturate the color by 10%, you get 81.4358, 93.7301, 74.4475, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

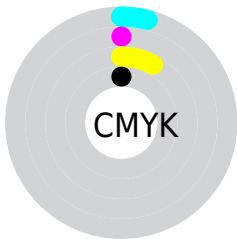
# Distribution



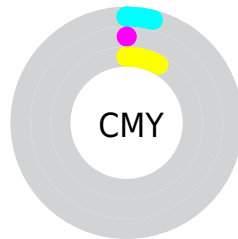
- Red (96%)
- Green (100%)
- Blue (92%)



- 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 88.7614, 97.1110, 92.6633 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 88.7614, 97.1110, 92.6633 by changing the saturation by 10% instead.




 88.7614, 97.1110,  
92.6633

 88.7614, 97.1110,  
92.6633


512.2916,  
550.9013, 557.4490

 67.2867, 73.8932,  
69.6056


144.5038,  
157.1778, 153.0000

 49.5892, 54.7066,  
50.7302


179.5023,  
194.7957, 191.1161

 35.3036, 39.1669,  
35.6187


219.7394,  
237.9823, 235.0888

 24.0644, 26.8896,  
23.8525

265.5804,  
287.1221, 285.3365

 15.5064, 17.4903,  
15.0131

317.3908,  
342.5995, 342.2779

 9.2642, 10.5847,  
8.6818

375.5359,

 4.9724, 5.7883,

404.7989, 406.3314

4.4403

440.3811,  
474.1047, 477.9156

■ 2.2657, 2.7168,  
1.8699

■ 0.7770, 0.9857,  
0.4734

■ 88.7614, 97.1110,  
92.6633

■ 88.7614, 97.1110,  
92.6633

■ 81.4358, 93.7301,  
74.4475

95.0500, 100.0000,  
108.9000

■ 74.8595, 90.6771,  
58.9053

■ 69.0047, 87.9403,  
45.9120

■ 63.8408, 85.5071,  
35.3307

■ 59.3346, 83.3635,  
27.0123

■ 55.4497, 81.4945,  
20.7905

■ 52.1450, 79.8829,  
16.4767

■ 49.3729, 78.5091,  
13.8480

■ 47.0713, 77.3477,  
12.6067

# Harmonies

## Analogous

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



91.5811, 97.1110, 89.6689



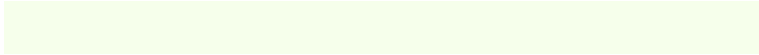
88.7614, 97.1110, 92.6633



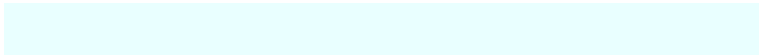
86.9200, 97.1110, 99.1883

# Triad

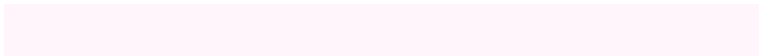
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7614, 97.1110, 92.6633



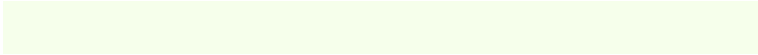
89.9851, 97.1110, 122.2499



98.3502, 97.1110, 103.6835

# Complementary

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



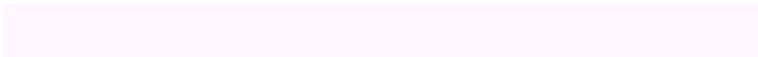
88.7614, 97.1110, 92.6633



85.0673, 85.8709, 106.6990

# 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.



97.8998, 97.1110, 112.5686



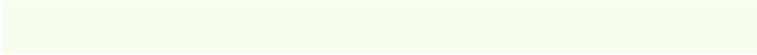
88.7614, 97.1110, 92.6633



93.0248, 97.1110, 123.6192

# Square

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



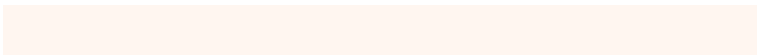
88.7614, 97.1110, 92.6633



87.6154, 97.1110, 116.3433



95.9337, 97.1110, 119.9868

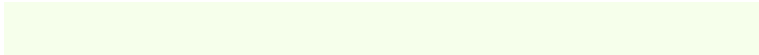


97.1510, 97.1110, 95.7964

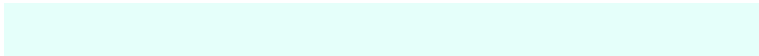


# Rectangle

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



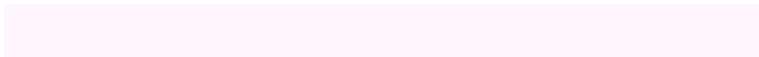
88.7614, 97.1110, 92.6633



86.4713, 97.1110, 104.8310



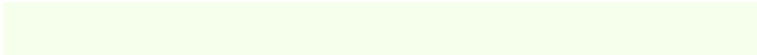
95.9337, 97.1110, 119.9868



98.3871, 97.1110, 106.6490

# Sweetspot

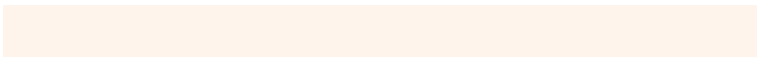
The Sweet Spot groups the original color and five complimentary colors.



88.7621, 97.1113, 92.6648



93.4004, 99.2432, 104.5934



88.4865, 91.7598, 91.6464



20.0089, 21.2501, 22.4324



0.0000, 0.0000, 0.0000

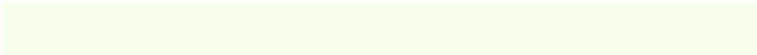


20.3446, 21.4041, 23.3091



# Same Dimension

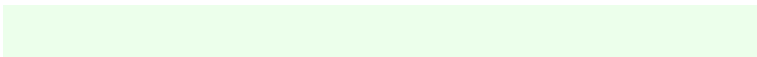
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7621, 97.1113, 92.6648



87.8748, 96.7027, 90.4152



85.4591, 95.4085, 92.5102



18.7267, 20.6606, 19.1452



24.5336, 40.3856, 6.5021



2.5146, 3.9971, 0.6390



# Inverse Universe

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



85.0673, 85.8709, 106.6990



83.6682, 83.9054, 106.3933



88.5101, 87.6457, 106.8601



17.7792, 17.7779, 22.7444



13.2747, 5.7538, 49.8455

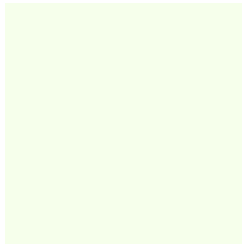


1.4162, 0.6240, 4.8591



# Previews

## White Background



This preview shows how the XYZ color 88.7614, 97.1110, 92.6633 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

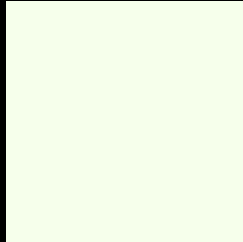
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7614, 97.1110, 92.6633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

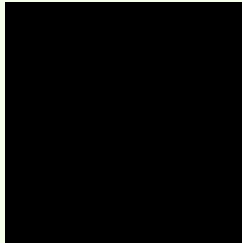
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

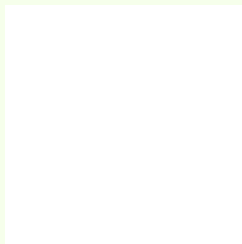
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 88.7614, 97.1110, 92.6633**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.7614, 97.1110, 92.6633.



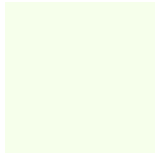
This preview shows how white text looks on a background with the XYZ color 88.7614, 97.1110,



# 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

88.7614, 97.1110, 92.6633



### Protanopia

92.2186, 96.8469, 100.2191

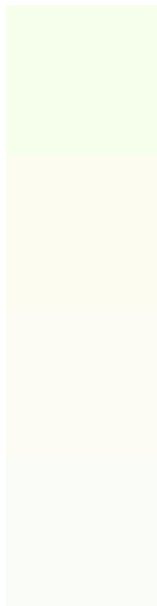
### Deuteranopia

92.9925, 97.1565, 104.2943

## **Tritanopia**

92.6921, 96.9098, 108.4278

# Trichromacy



## Original Color

88.7614, 97.1110, 92.6633

## Protanomaly

90.8325, 96.6671, 97.0903

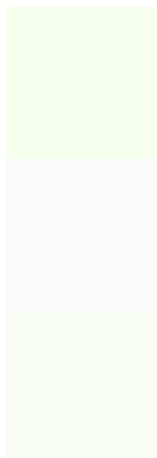
## Deuteranomaly

91.4367, 96.9088, 100.2722

## Tritanomaly

91.1780, 96.7221, 102.6706

# Monochromacy



## Original Color

88.7614, 97.1110, 92.6633

## Achromatopsia

90.8653, 95.5973, 104.1055

## Achromatomaly

90.3588, 96.3531, 100.2218

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7614, 97.1110, 92.6633 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(246, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7614, 97.1110, 92.6633 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(246, 255, 235) }
```



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

```
.border{ border-color:rgb(246, 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(246, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7614, 97.1110, 92.6633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 235) }
```

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

```
.background{ background-color: rgb(246,  
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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