

# Converting Colors

XYZ(80.4911, 93.3207, 70.8971)

Have a look what the booklet for  
XYZ(80.4911, 93.3207, 70.8971)  
contains.

<b>XYZ(80.5908, 93.3721, 70.9018)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(80.5908, 93.3721,  
70.9018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFCC
RGB	234, 255, 204
RGB Percent	92%, 100%, 80%
CMY	0.0823, 0.0000, 0.2000
CMYK	0.08, 0.00, 0.20, 0.00
HSL	85°, 100%, 90%
HSV	85°, 20%, 100%
XYZ	80.5908, 93.3721, 70.9018
YIQ	242.9070, 3.8550, -20.3130

# Conversions

## Conversions Part 2

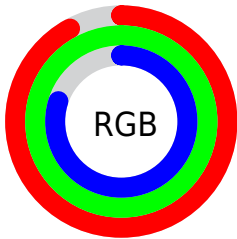
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 255, 225
Decimal	15400908
CIELab	97.38, -15.46, 22.13
CIELCh	97, 26.991, 124.933
Yxy	93.3721, 0.3291, 0.3813
Android (android.graphics.Color)	4293590988 (0xFFEAF5CC)
YUV	242.9070, -19.1812, -7.8114
Hunter-Lab	96.6292, -20.2284, 24.1364

# Details

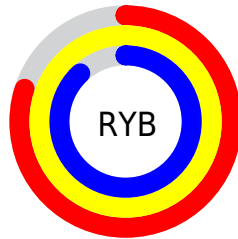
The XYZ color **80.5908, 93.3721, 70.9018** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.6951, 66.4145, 103.7010**, and the grayscale version is **85.2624, 89.7027, 97.6863**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0592, 52.0552, 36.5796** is the 20% darker color. If you saturate the color by 10%, you get **74.4324, 90.5222, 55.9339**, and if you desaturate by 10%, it is **87.4554, 96.5281, 88.5193**.

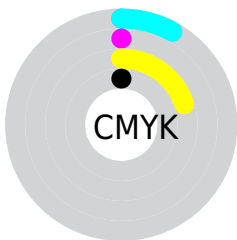
# Distribution



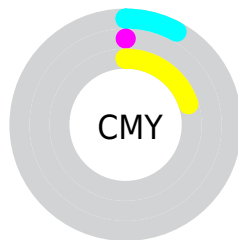
- Red (92%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (88%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5908, 93.3721, 70.9018 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 80.5908, 93.3721, 70.9018 by changing the saturation by 10% instead.




 80.5908, 93.3721,  
70.9018

 80.5908, 93.3721,  
70.9018


485.6279,  
538.9402, 482.5845

 60.5148, 70.7808,  
51.7807


133.1422,  
152.0137, 122.1870

 44.0847, 52.1633,  
36.4493


166.3483,  
188.8328, 155.1883

 30.9353, 37.1353,  
24.4890


204.6618,  
231.1632, 193.6533

 20.7012, 25.3123,  
15.4812

248.4481,  
279.3895, 238.0007

 13.0170, 16.3099,  
9.0074

298.0725,  
333.8959, 288.6490

 7.5173, 9.7437,  
4.6491

353.9003,

 3.8369, 5.2293,

395.0669, 346.0167

1.9878

416.2970,  
463.2869, 410.5223

■ 1.6103, 2.3824,  
0.5478

■ 0.3991, 0.8168,  
0.0000

■ 80.5908, 93.3721,  
70.9018

■ 80.5908, 93.3721,  
70.9018

■ 74.4324, 90.5222,  
55.9339

■ 87.4554, 96.5281,  
88.5193

■ 68.9508, 87.9663,  
43.4830

95.0500, 100.0000,  
108.9000

■ 64.1165, 85.6920,  
33.4116

■ 59.8969, 83.6859,  
25.5671

■ 56.2558, 81.9332,  
19.7791

■ 53.1524, 80.4171,  
15.8528

■ 50.5385, 79.1177,  
13.5560

■ 48.3379, 78.0041,  
12.5087

■ 48.3377, 78.0040,  
12.5086

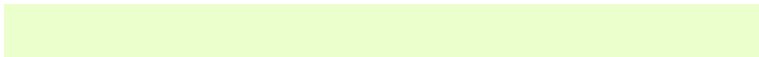
# Harmonies

## Analogous

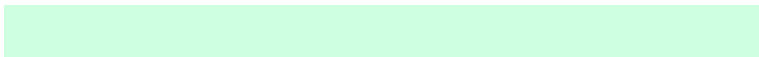
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4890, 93.3721, 65.2165



80.5908, 93.3721, 70.9018



76.0830, 93.3721, 84.8472

# Triad

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



80.5908, 93.3721, 70.9018



82.6619, 93.3721, 144.7826



104.2185, 93.3721, 98.0881

# Complementary

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



80.5908, 93.3721, 70.9018



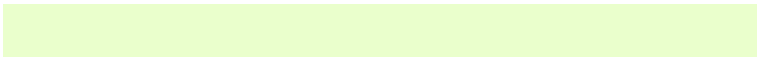
70.6951, 66.4145, 103.7010

# Split Complementary

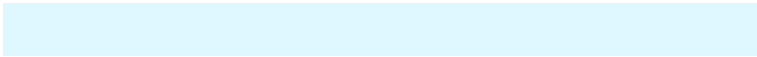
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7444, 93.3721, 120.5730



80.5908, 93.3721, 70.9018



90.0178, 93.3721, 149.6598

# Square

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



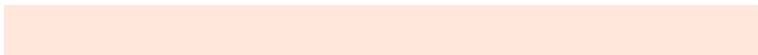
80.5908, 93.3721, 70.9018



77.2298, 93.3721, 127.7376



97.4365, 93.3721, 140.2473

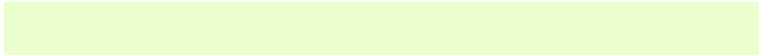


101.3567, 93.3721, 79.4083

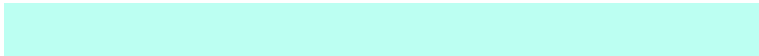


# Rectangle

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



80.5908, 93.3721, 70.9018



74.8913, 93.3721, 97.9918



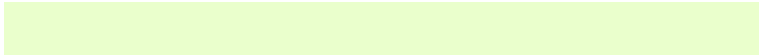
97.4365, 93.3721, 140.2473



104.2151, 93.3721, 105.4316

# Sweetspot

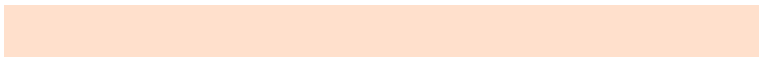
The Sweet Spot groups the original color and five complimentary colors.



80.5913, 93.3723, 70.9032



90.4037, 97.8781, 96.3322



78.9030, 79.1470, 68.2464



19.2453, 20.9020, 20.3394



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

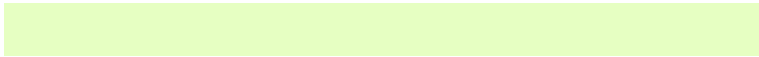


# Same Dimension

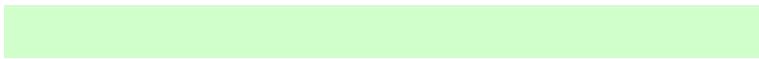
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5913, 93.3723, 70.9032



78.0441, 92.1960, 64.6035



72.9827, 89.4499, 70.5471



18.7957, 20.6961, 19.1484



25.4313, 40.8484, 6.5442



2.6003, 4.0413, 0.6430



# Inverse Universe

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



70.6951, 66.4145, 103.7010



66.5107, 60.7747, 102.8329



79.0320, 70.7123, 104.0912



17.7114, 17.7430, 22.7412



12.6352, 5.4242, 49.8156

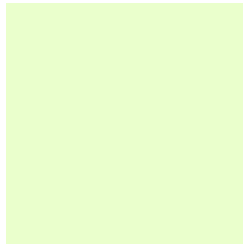


1.3507, 0.5902, 4.8560



# Previews

## White Background



This preview shows how the XYZ color 80.5908, 93.3721, 70.9018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

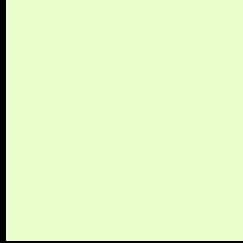
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.5908, 93.3721, 70.9018 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

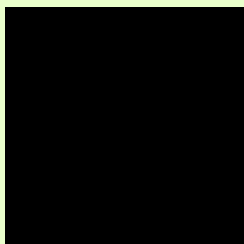
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

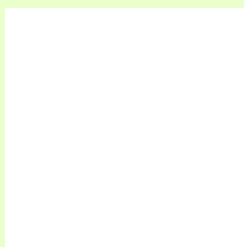
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.5908, 93.3721, 70.9018**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.5908, 93.3721, 70.9018.



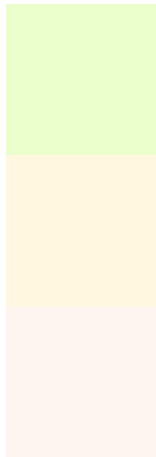
This preview shows how white text looks on a background with the XYZ color 80.5908, 93.3721,

70.9018.

# 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

80.5908, 93.3721, 70.9018

### Protanopia

87.9553, 93.1633, 83.8676

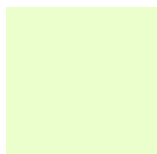
### Deuteranopia

89.6206, 92.8561, 95.6376

## **Tritanopia**

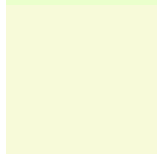
89.3168, 93.3344, 107.9156

# Trichromacy



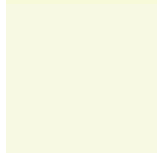
## Original Color

80.5908, 93.3721, 70.9018



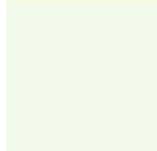
## Protanomaly

85.0678, 93.1551, 79.1428



## Deuteranomaly

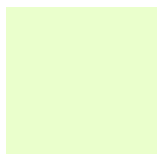
86.0986, 93.0716, 86.0998



## Tritanomaly

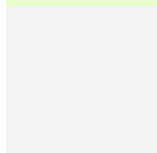
85.9439, 93.3046, 92.8367

# Monochromacy



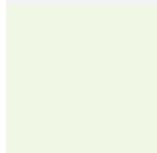
## Original Color

80.5908, 93.3721, 70.9018



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

83.3388, 90.7039, 87.2439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.5908, 93.3721, 70.9018 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(234, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 204)  
}
```

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(234, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 80.5908, 93.3721, 70.9018 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(234, 255, 204) }
```



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

```
.border{ border-color:rgb(234, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.5908, 93.3721, 70.9018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 204) }
```

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

```
.background{ background-color: rgb(234,  
255, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor