

Converting Colors

XYZ(80.8375, 93.4993, 70.9133)

Have a look what the booklet for
XYZ(80.8375, 93.4993, 70.9133)
contains.

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Color

**XYZ(80.9200, 93.5418,
70.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFCC
RGB	235, 255, 204
RGB Percent	92%, 100%, 80%
CMY	0.0784, 0.0000, 0.2000
CMYK	0.08, 0.00, 0.20, 0.00
HSL	84°, 100%, 90%
HSV	84°, 20%, 100%
XYZ	80.9200, 93.5418, 70.9172
YIQ	243.2060, 4.4510, -20.1010

Conversions

Conversions Part 2

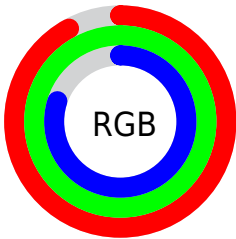
Format	Color
R_{YB}	204, 255, 224
Decimal	15466444
CIE _{Lab}	97.45, -15.11, 22.23
CIE _{LCh}	97, 26.881, 124.196
Yxy	93.5418, 0.3298, 0.3812
Android (android.graphics.Color)	4293656524 (0xFFEBFFCC)
YUV	243.2060, -19.3286, -7.1967
Hunter-Lab	96.7170, -19.9096, 24.2279

Details

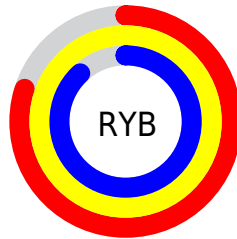
The XYZ color **80.9200, 93.5418, 70.9172** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.3843, 66.2543, 103.6864**, and the grayscale version is **85.5013, 89.9541, 97.9600**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2895, 52.1739, 36.5904** is the 20% darker color. If you saturate the color by 10%, you get **74.8980, 90.7622, 55.9557**, and if you desaturate by 10%, it is **87.6296, 96.6179, 88.5275**.

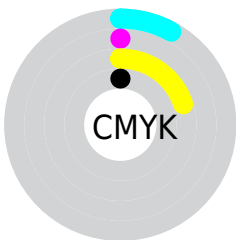
Distribution



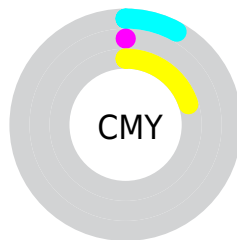
- Red (92%)
- Green (100%)
- Blue (80%)



- 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 80.9200, 93.5418, 70.9172 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 80.9200, 93.5418, 70.9172 by changing the saturation by 10% instead.


 80.9200, 93.5418,
70.9172

 80.9200, 93.5418,
70.9172


486.7174,
539.4861, 482.6398

 60.7868, 70.9219,
51.7932


133.6022,
152.2485, 122.2092

 44.3050, 52.2785,
36.4592


166.8818,
189.1041, 155.2142

 31.1093, 37.2271,
24.4965


205.2744,
231.4737, 193.6834

 20.8343, 25.3834,
15.4868

249.1451,
279.7418, 238.0352

 13.1147, 16.3629,
9.0113

298.8594,
334.2927, 288.6882

 7.5851, 9.7813,
4.6516

354.7827,

 3.8802, 5.2542,

395.5107, 346.0610

1.9892

417.2802,
463.7804, 410.5720

■ 1.6346, 2.3972,
0.5486

■ 0.4148, 0.8244,
0.0000

■ 80.9200, 93.5418,
70.9172

■ 80.9200, 93.5418,
70.9172

■ 74.8980, 90.7622,
55.9557

■ 87.6296, 96.6179,
88.5275

■ 69.5345, 88.2671,
43.5104

95.0500, 100.0000,
108.9000

■ 64.8006, 86.0446,
33.4436

■ 60.6642, 84.0815,
25.6030

■ 57.0897, 82.3632,
19.8181

■ 54.0369, 80.8730,
15.8942

■ 51.4581, 79.5917,
13.5990

■ 49.2776, 78.4886,
12.5527

■ 49.2775, 78.4885,
12.5526

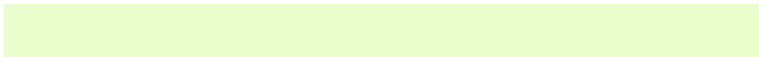
Harmonies

Analogous

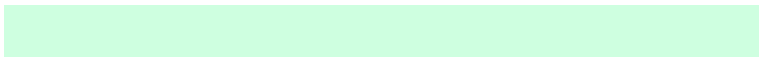
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8401, 93.5418, 65.4495



80.9200, 93.5418, 70.9172



76.3508, 93.5418, 84.6440

Triad

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



80.9200, 93.5418, 70.9172



82.6777, 93.5418, 144.5264



104.3481, 93.5418, 98.8094

Complementary

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



80.9200, 93.5418, 70.9172



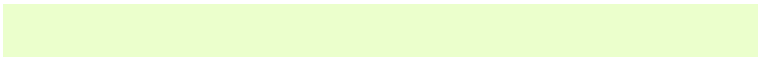
70.3843, 66.2543, 103.6864

Split Complementary

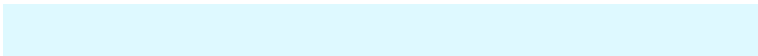
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.7731, 93.5418, 121.2452



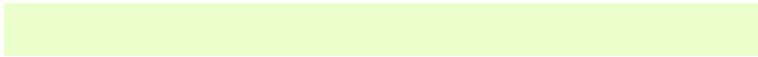
80.9200, 93.5418, 70.9172



89.9858, 93.5418, 149.7328

Square

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



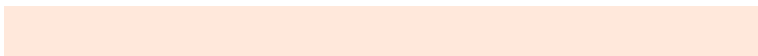
80.9200, 93.5418, 70.9172



77.3242, 93.5418, 127.3215



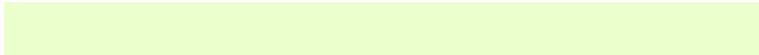
97.4065, 93.5418, 140.6811



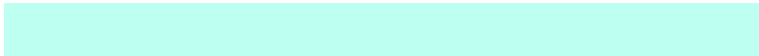
101.5960, 93.5418, 80.0265

Rectangle

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



80.9200, 93.5418, 70.9172



75.1047, 93.5418, 97.6634



97.4065, 93.5418, 140.6811



104.3082, 93.5418, 106.1568

Sweetspot

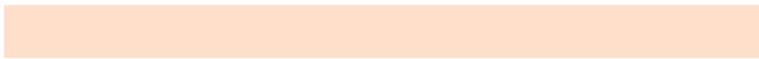
The Sweet Spot groups the original color and five complimentary colors.



80.9205, 93.5420, 70.9186



90.5105, 97.9332, 96.3372



78.6746, 78.6902, 68.1703



19.2706, 20.9150, 20.3406



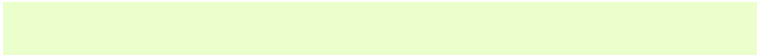
0.0000, 0.0000, 0.0000



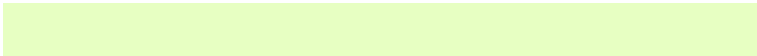
20.3446, 21.4041, 23.3091

Same Dimension

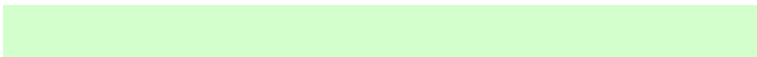
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9205, 93.5420, 70.9186



78.4301, 92.3950, 64.6216



73.2240, 89.5743, 70.5584



18.8313, 20.7144, 19.1501



25.9210, 41.1009, 6.5671



2.6466, 4.0651, 0.6452

Inverse Universe

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



70.3843, 66.2543, 103.6864



66.1510, 60.5892, 102.8161



78.7282, 70.5558, 104.0769



17.6768, 17.7251, 22.7396



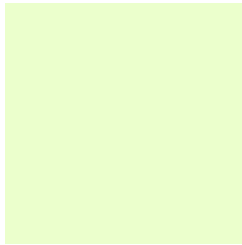
12.3332, 5.2685, 49.8015



1.3192, 0.5740, 4.8545

Previews

White Background



This preview shows how the XYZ color 80.9200, 93.5418, 70.9172 looks on a white background.

Color Contrast Check

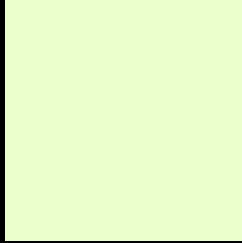
Large Text (above 18pt) WCAG AA × Fail

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 80.9200, 93.5418, 70.9172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

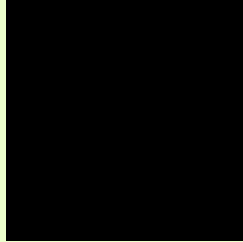
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

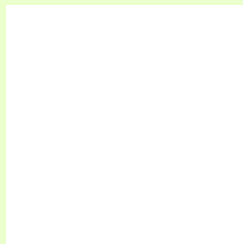
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9200, 93.5418, 70.9172

Background



This preview shows how black text looks on a background with the XYZ color 80.9200, 93.5418, 70.9172.



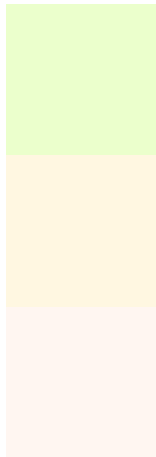
This preview shows how white text looks on a background with the XYZ color 80.9200, 93.5418,

70.9172.

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

80.9200, 93.5418, 70.9172

Protanopia

88.0914, 93.2178, 84.5841

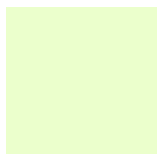
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

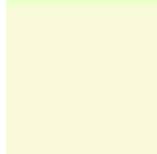
89.3168, 93.3344, 107.9156

Trichromacy



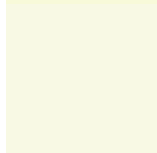
Original Color

80.9200, 93.5418, 70.9172



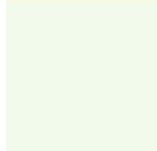
Protanomaly

85.4214, 93.3374, 79.1594



Deuteranomaly

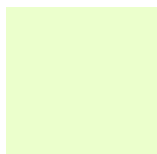
86.5907, 93.3093, 86.8455



Tritanomaly

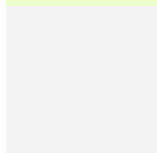
85.9439, 93.3046, 92.8367

Monochromacy



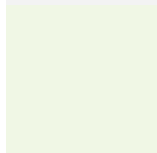
Original Color

80.9200, 93.5418, 70.9172



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 80.9200, 93.5418, 70.9172 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(235, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 80.9200, 93.5418, 70.9172 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(235, 255, 204) }
```


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

```
.border{ border-color:rgb(235, 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(235, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9200, 93.5418, 70.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 204) }
```

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

```
.background{ background-color: rgb(235,  
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](#).

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