

Converting Colors

XYZ(84.2850, 100.6081,
71.1452)

Have a look what the booklet for
XYZ(84.2850, 100.6081, 71.1452)
contains.

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Color

**XYZ(80.6816, 93.4464,
69.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFCA
RGB	235, 255, 202
RGB Percent	92%, 100%, 79%
CMY	0.0784, 0.0000, 0.2078
CMYK	0.08, 0.00, 0.21, 0.00
HSL	83°, 100%, 90%
HSV	83°, 21%, 100%
XYZ	80.6816, 93.4464, 69.6617
YIQ	242.9780, 5.0930, -20.7230

Conversions

Conversions Part 2

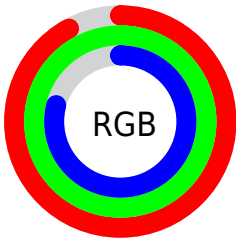
Format	Color
R _Y B	202, 255, 222
Decimal	15466442
CIE Lab	97.41, -15.41, 23.20
CIE LCh	97, 27.847, 123.593
Yxy	93.4464, 0.3309, 0.3833
Android (android.graphics.Color)	4293656522 (0xFFEBFFCA)
YUV	242.9780, -20.2022, -6.9967
Hunter-Lab	96.6677, -20.1872, 24.9412

Details

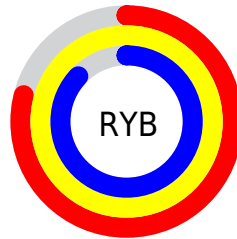
The XYZ color **80.6816, 93.4464, 69.6617** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.2957, 64.9919, 103.5002**, and the grayscale version is **85.3261, 89.7697, 97.7592**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1298, 52.1100, 35.7493** is the 20% darker color. If you saturate the color by 10%, you get **74.8157, 90.7429, 54.9072**, and if you desaturate by 10%, it is **87.2195, 96.4386, 87.0545**.

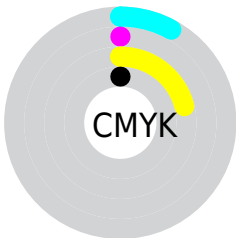
Distribution



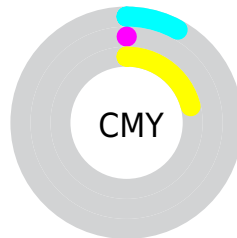
- Red (92%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6816, 93.4464, 69.6617 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 80.6816, 93.4464, 69.6617 by changing the saturation by 10% instead.


 80.6816, 93.4464,
69.6617

 80.6816, 93.4464,
69.6617


485.9285,
539.1792, 478.1183

 60.5898, 70.8426,
50.7757


133.2691,
152.1165, 120.4028

 44.1455, 52.2138,
35.6546


166.4955,
188.9516, 153.0949

 30.9833, 37.1755,
23.8800


204.8308,
231.2992, 191.2262

 20.7379, 25.3434,
15.0333

248.6404,
279.5437, 235.2151

 13.0439, 16.3331,
8.6958

298.2896,
334.0696, 285.4802

 7.5360, 9.7602,
4.4492

354.1438,

 3.8488, 5.2402,

395.2612, 342.4401

1.8749

416.5683,
463.5030, 406.5133

■ 1.6170, 2.3889,
0.4767

■ 0.4034, 0.8202,
0.0000

■ 80.6816, 93.4464,
69.6617

■ 80.6816, 93.4464,
69.6617

■ 74.8157, 90.7429,
54.9072

■ 87.2195, 96.4386,
87.0545

■ 69.5928, 88.3162,
42.6579

■ 94.4532, 99.7293,
107.2018

■ 64.9844, 86.1544,
32.7751

■ 95.0500, 100.0000,
108.9000

■ 60.9583, 84.2445,
25.1051

■ 57.4791, 82.5718,
19.4761

■ 54.5063, 81.1200,
15.6909

■ 51.9922, 79.8695,
13.5133

■ 50.0132, 78.8678,
12.5870

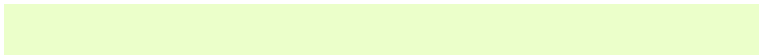
Harmonies

Analogous

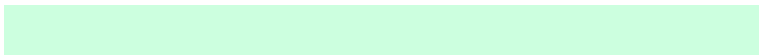
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8702, 93.4464, 64.2357



80.6816, 93.4464, 69.6617



75.9047, 93.4464, 83.6120

Triad

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



80.6816, 93.4464, 69.6617



82.2367, 93.4464, 145.8604



104.8448, 93.4464, 99.0475

Complementary

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



80.6816, 93.4464, 69.6617



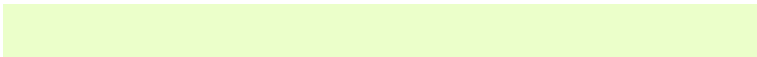
69.2957, 64.9919, 103.5002

Split Complementary

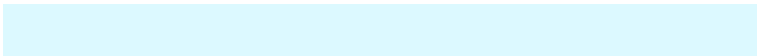
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.1186, 93.4464, 122.3317



80.6816, 93.4464, 69.6617



89.7726, 93.4464, 151.5924

Square

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



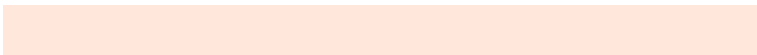
80.6816, 93.4464, 69.6617



76.7645, 93.4464, 127.7444



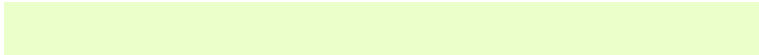
97.4838, 93.4464, 142.4245



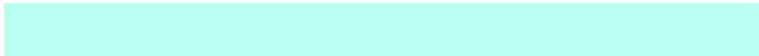
102.0715, 93.4464, 79.5405

Rectangle

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



80.6816, 93.4464, 69.6617



74.5716, 93.4464, 96.9727



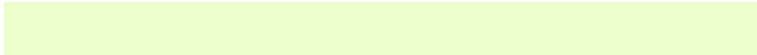
97.4838, 93.4464, 142.4245



104.7723, 93.4464, 106.6760

Sweetspot

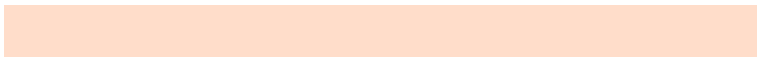
The Sweet Spot groups the original color and five complimentary colors.



80.6822, 93.4467, 69.6631



90.5913, 97.9748, 96.3410



77.8723, 77.4671, 66.7268



19.2897, 20.9249, 20.3415



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

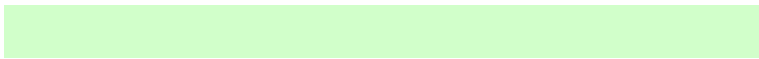
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6822, 93.4467, 69.6631



78.1283, 92.2721, 63.1271



72.7348, 89.3497, 69.2912



18.8582, 20.7283, 19.1514



26.3041, 41.2984, 6.5850



2.6825, 4.0837, 0.6468

Inverse Universe

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



69.2957, 64.9919, 103.5002



64.8498, 59.0843, 102.5942



77.8589, 69.4064, 103.9009



17.6507, 17.7117, 22.7384



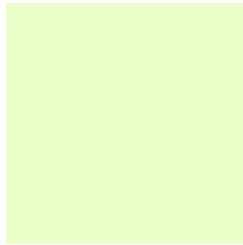
12.1167, 5.1569, 49.7913



1.2963, 0.5622, 4.8535

Previews

White Background



This preview shows how the XYZ color 80.6816, 93.4464, 69.6617 looks on a white background.

Color Contrast Check

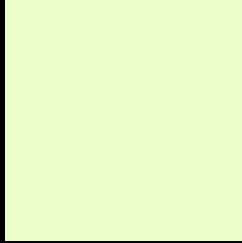
Large Text (above 18pt) WCAG AA × Fail

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 80.6816, 93.4464, 69.6617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

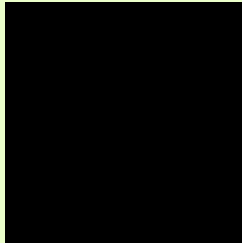
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

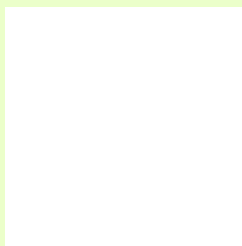
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6816, 93.4464, 69.6617

Background



This preview shows how black text looks on a background with the XYZ color 80.6816, 93.4464, 69.6617.



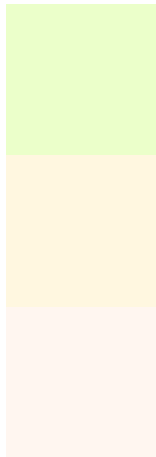
This preview shows how white text looks on a background with the XYZ color 80.6816, 93.4464,

69.6617.

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

80.6816, 93.4464, 69.6617

Protanopia

87.9553, 93.1633, 83.8676

Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

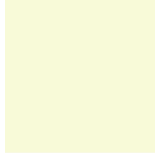
89.3168, 93.3344, 107.9156

Trichromacy



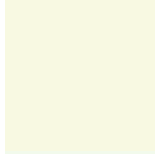
Original Color

80.6816, 93.4464, 69.6617



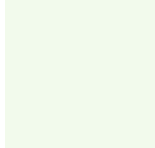
Protanomaly

85.2917, 93.2855, 78.4763



Deuteranomaly

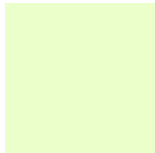
86.3145, 93.1988, 85.3914



Tritanomaly

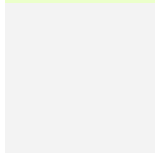
85.9439, 93.3046, 92.8367

Monochromacy



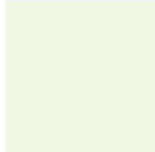
Original Color

80.6816, 93.4464, 69.6617



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.1995, 90.6482, 86.5106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6816, 93.4464, 69.6617 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 80.6816, 93.4464, 69.6617 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, 202) }
```


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

```
.border{ border-color:rgb(235, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6816, 93.4464, 69.6617 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, 202) }
```

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

```
.background{ background-color: rgb(235,  
255, 202) }
```

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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