

Converting Colors

XYZ(81.2010, 94.1453, 68.0937)

Have a look what the booklet for
XYZ(81.2010, 94.1453, 68.0937)
contains.

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Color

**XYZ(80.9939, 93.6480,
67.8399)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFC7
RGB	237, 255, 199
RGB Percent	93%, 100%, 78%
CMY	0.0706, 0.0000, 0.2196
CMYK	0.07, 0.00, 0.22, 0.00
HSL	79°, 100%, 89%
HSV	79°, 22%, 100%
XYZ	80.9939, 93.6480, 67.8399
YIQ	243.2340, 7.2480, -21.2320

Conversions

Conversions Part 2

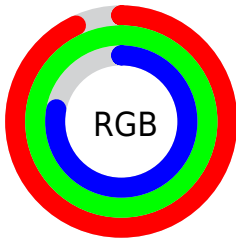
Format	Color
RYB	199, 255, 217
Decimal	15597511
CIELab	97.49, -15.15, 24.85
CIELCh	97, 29.105, 121.364
Yxy	93.6480, 0.3340, 0.3862
Android (android.graphics.Color)	4293787591 (0xFFEDFFC7)
YUV	243.2340, -21.8074, -5.4672
Hunter-Lab	96.7719, -19.9540, 26.1763

Details

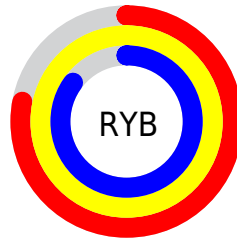
The XYZ color **80.9939, 93.6480, 67.8399** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.0896, 62.8198, 103.1972**, and the grayscale version is **85.5413, 89.9961, 98.0057**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3610, 52.2563, 34.5365** is the 20% darker color. If you saturate the color by 10%, you get **75.6024, 91.1825, 53.4058**, and if you desaturate by 10%, it is **87.0079, 96.3771, 84.8955**.

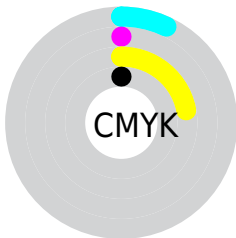
Distribution



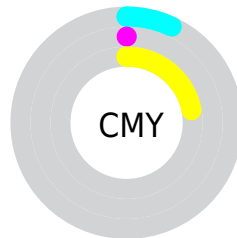
- Red (93%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9939, 93.6480, 67.8399 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 80.9939, 93.6480, 67.8399 by changing the saturation by 10% instead.

 80.9939, 93.6480,
67.8399

 80.9939, 93.6480,
67.8399


486.9617,
539.8276, 471.5112

 60.8478, 71.0102,
49.3016


133.7054,
152.3954, 117.7751

 44.3545, 52.3505,
34.4915


167.0016,
189.2739, 150.0092

 31.1484, 37.2846,
22.9910


205.4118,
231.6680, 187.6455

 20.8642, 25.4279,
14.3817

249.3015,
279.9622, 231.1028

 13.1367, 16.3961,
8.2448

299.0360,
334.5409, 280.7994

 7.6004, 9.8049,
4.1620

354.9806,

 3.8900, 5.2698,

395.7884, 337.1540

1.7146

417.5007,
464.0892, 400.5851

■ 1.6401, 2.4064,
0.3707

■ 0.4183, 0.8292,
0.0000

■ 80.9939, 93.6480,
67.8399

■ 80.9939, 93.6480,
67.8399

■ 75.6024, 91.1825,
53.4058

■ 87.0079, 96.3771,
84.8955

■ 70.8052, 88.9689,
41.4588

■ 93.6671, 99.3789,
104.6896

■ 66.5744, 86.9960,
31.8590

■ 95.0500, 100.0000,
108.9000

■ 62.8788, 85.2510,
24.4508

■ 59.6836, 83.7198,
19.0600

■ 56.9487, 82.3862,
15.4856

■ 54.6264, 81.2309,
13.4855

■ 53.0018, 80.4085,
12.7269

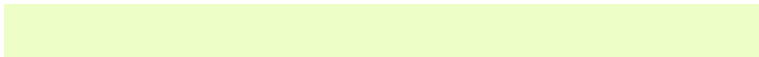
Harmonies

Analogous

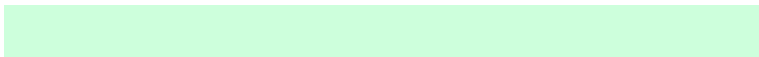
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6320, 93.6480, 62.9073



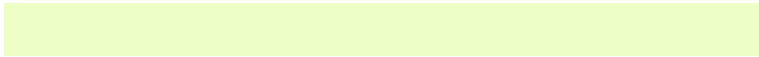
80.9939, 93.6480, 67.8399



75.7807, 93.6480, 81.6780

Triad

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



80.9939, 93.6480, 67.8399



81.6105, 93.6480, 147.3430



105.8564, 93.6480, 100.8875

Complementary

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



80.9939, 93.6480, 67.8399



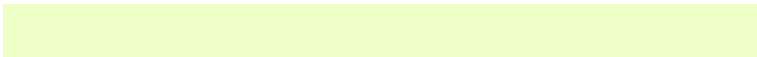
67.0896, 62.8198, 103.1972

Split Complementary

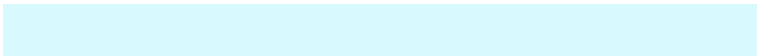
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.6949, 93.6480, 125.3644



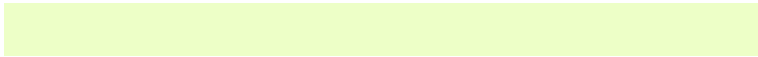
80.9939, 93.6480, 67.8399



89.3883, 93.6480, 154.5548

Square

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



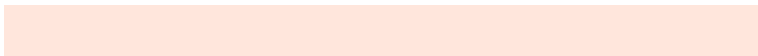
80.9939, 93.6480, 67.8399



76.1209, 93.6480, 127.5297



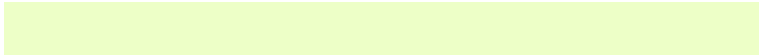
97.5375, 93.6480, 145.9630



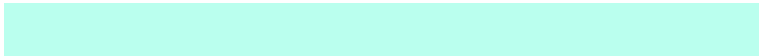
103.2767, 93.6480, 80.0707

Rectangle

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



80.9939, 93.6480, 67.8399



74.2078, 93.6480, 95.2859



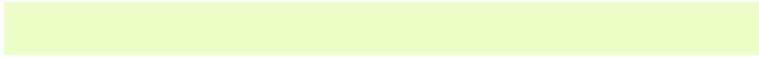
97.5375, 93.6480, 145.9630



105.6593, 93.6480, 108.9529

Sweetspot

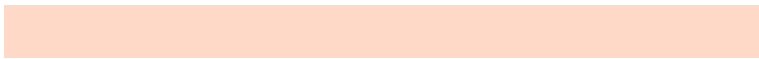
The Sweet Spot groups the original color and five complimentary colors.



80.9945, 93.6483, 67.8413



90.2286, 97.8312, 94.3635



76.2936, 74.8728, 64.4650



19.2269, 20.9013, 19.9432



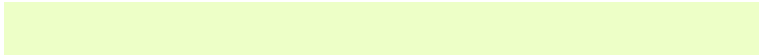
0.0000, 0.0000, 0.0000



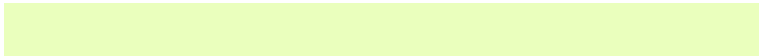
20.3446, 21.4041, 23.3091

Same Dimension

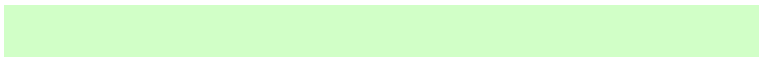
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9945, 93.6483, 67.8413



78.7426, 92.6210, 61.7010



72.4396, 89.2381, 67.4409



18.9602, 20.7809, 19.1561



27.8572, 42.0990, 6.6577



2.8265, 4.1579, 0.6536

Inverse Universe

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



67.0896, 62.8198, 103.1972



62.7644, 57.1894, 102.3384



76.0373, 67.4325, 103.6159



17.5526, 17.6611, 22.7338



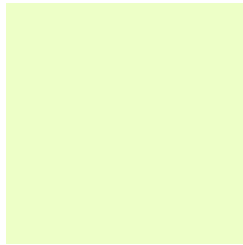
11.3852, 4.7798, 49.7571



1.2169, 0.5212, 4.8497

Previews

White Background



This preview shows how the XYZ color 80.9939, 93.6480, 67.8399 looks on a white background.

Color Contrast Check

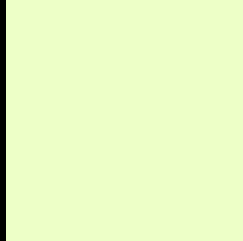
Large Text (above 18pt) WCAG AA × Fail

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 80.9939, 93.6480, 67.8399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

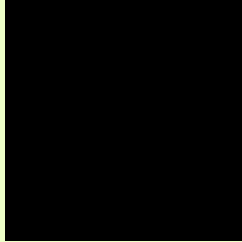
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

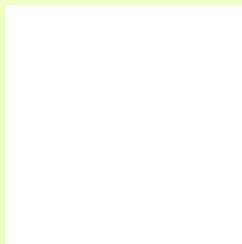
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9939, 93.6480, 67.8399

Background



This preview shows how black text looks on a background with the XYZ color 80.9939, 93.6480, 67.8399.



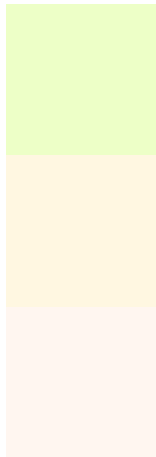
This preview shows how white text looks on a background with the XYZ color 80.9939, 93.6480,

67.8399.

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

80.9939, 93.6480, 67.8399

Protanopia

88.0914, 93.2178, 84.5841

Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

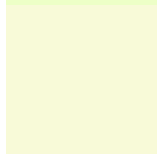
89.6685, 93.5157, 107.9320

Trichromacy



Original Color

80.9939, 93.6480, 67.8399



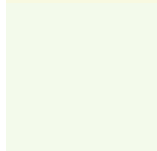
Protanomaly

85.2917, 93.2855, 78.4763



Deuteranomaly

86.1777, 93.1441, 84.6707



Tritanomaly

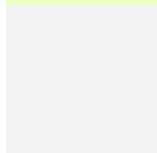
86.1432, 93.4241, 92.0897

Monochromacy



Original Color

80.9939, 93.6480, 67.8399



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.4015, 90.7684, 85.7974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9939, 93.6480, 67.8399 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(237, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 199)  
}
```

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(237, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 80.9939, 93.6480, 67.8399 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(237, 255, 199) }
```


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

```
.border{ border-color:rgb(237, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9939, 93.6480, 67.8399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 199) }
```

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

```
.background{ background-color: rgb(237,  
255, 199) }
```

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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