

Converting Colors

XYZ(83.8690, 95.1315, 67.9143)

Have a look what the booklet for
XYZ(83.8690, 95.1315, 67.9143)
contains.

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Color

**XYZ(83.7250, 95.0560,
67.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFC7
RGB	245, 255, 199
RGB Percent	96%, 100%, 78%
CMY	0.0392, 0.0000, 0.2196
CMYK	0.04, 0.00, 0.22, 0.00
HSL	71°, 100%, 89%
HSV	71°, 22%, 100%
XYZ	83.7250, 95.0560, 67.9677
YIQ	245.6260, 12.0160, -19.5360

Conversions

Conversions Part 2

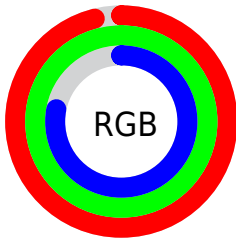
Format	Color
RYB	199, 255, 209
Decimal	16121799
CIELab	98.06, -12.32, 25.72
CIElCh	98, 28.519, 115.591
Yxy	95.0560, 0.3393, 0.3852
Android (android.graphics.Color)	4294311879 (0xFFFF5FFC7)
YUV	245.6260, -22.9866, -0.5490
Hunter-Lab	97.4967, -17.3328, 26.9149

Details

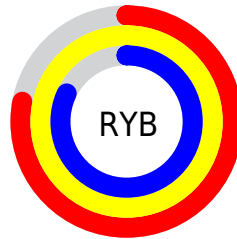
The XYZ color **83.7250, 95.0560, 67.9677** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.7689, 61.6234, 103.0886**, and the grayscale version is **87.4674, 92.0225, 100.2125**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0440, 53.1239, 34.6152** is the 20% darker color. If you saturate the color by 10%, you get **79.4387, 93.1603, 53.5853**, and if you desaturate by 10%, it is **88.5475, 97.1708, 84.9675**.

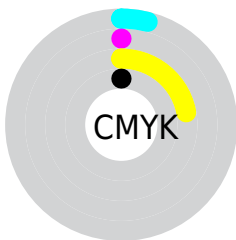
Distribution



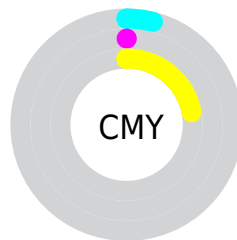
- Red (96%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (82%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7250, 95.0560, 67.9677 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 83.7250, 95.0560, 67.9677 by changing the saturation by 10% instead.


 83.7250, 95.0560,
67.9677

 83.7250, 95.0560,
67.9677

495.9470,
544.3442, 471.9765

 63.1074, 72.1816,
49.4049


137.5137,
154.3420, 117.9597

 46.1870, 53.3070,
34.5729


171.4154,
191.5223, 150.2260

 32.5987, 38.0479,
23.0532


210.4759,
234.2401, 187.8973

 21.9770, 26.0199,
14.4271

255.0605,
282.8797, 231.3920

 13.9565, 16.8385,
8.2762

305.5346,
337.8255, 281.1288

 8.1719, 10.1194,
4.1819

362.2634,

 4.2579, 5.4782,

399.4619, 337.5261

1.7256

425.6125,
468.1734, 401.0025

■ 1.8490, 2.5305,
0.3782

■ 0.5469, 0.8919,
0.0000

■ 83.7250, 95.0560,
67.9677

■ 83.7250, 95.0560,
67.9677

■ 79.4387, 93.1603,
53.5853

■ 88.5475, 97.1708,
84.9675

■ 75.6623, 91.4729,
41.6861

■ 93.9281, 99.5134,
104.7018

■ 72.3690, 89.9832,
32.1302

■ 95.0500, 100.0000,
108.9000

■ 69.5292, 88.6794,
24.7621

■ 67.1093, 87.5479,
19.4075

■ 65.0710, 86.5734,
15.8657

■ 63.3681, 85.7374,
13.8946

■ 62.1864, 85.1433,
13.1567

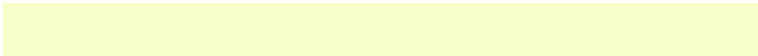
Harmonies

Analogous

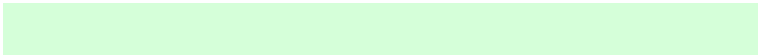
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5619, 95.0560, 64.7820



83.7250, 95.0560, 67.9677



77.9867, 95.0560, 80.0821

Triad

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



83.7250, 95.0560, 67.9677



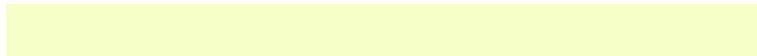
81.7509, 95.0560, 145.2733



106.9488, 95.0560, 107.0000

Complementary

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



83.7250, 95.0560, 67.9677



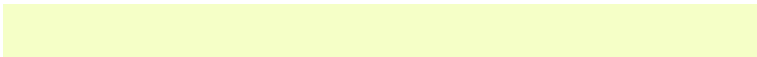
64.7689, 61.6234, 103.0886

Split Complementary

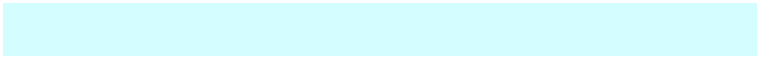
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.9507, 95.0560, 131.0883



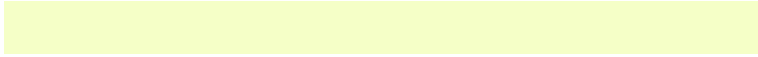
83.7250, 95.0560, 67.9677



89.1446, 95.0560, 155.2015

Square

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



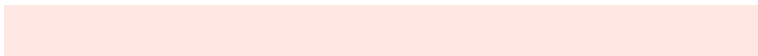
83.7250, 95.0560, 67.9677



76.8961, 95.0560, 124.1945



97.3111, 95.0560, 149.6560



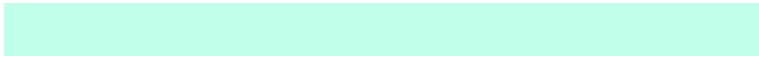
105.2835, 95.0560, 85.2421

Rectangle

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



83.7250, 95.0560, 67.9677



75.9588, 95.0560, 92.6942



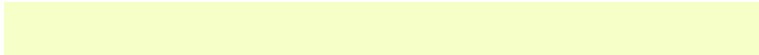
97.3111, 95.0560, 149.6560



106.4482, 95.0560, 115.1142

Sweetspot

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



83.7255, 95.0562, 67.9691



91.1450, 98.3037, 94.4064



74.1867, 70.6590, 63.7627



19.4395, 21.0109, 19.9532



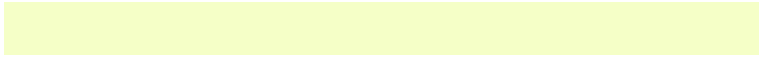
0.0000, 0.0000, 0.0000



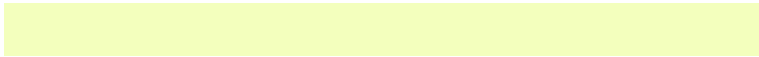
20.3446, 21.4041, 23.3091

Same Dimension

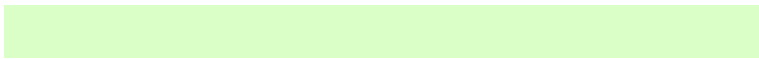
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7255, 95.0562, 67.9691



81.9305, 94.2645, 61.8502



74.8834, 90.4979, 67.5553



19.2243, 20.9171, 19.1685



32.6094, 44.5488, 6.8801



3.2544, 4.3785, 0.6736

Inverse Universe

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



64.7689, 61.6234, 103.0886



60.1467, 55.8400, 102.2159



73.1770, 65.9580, 103.4821



17.3054, 17.5337, 22.7222



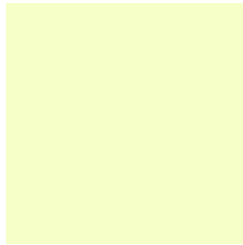
10.0962, 4.1153, 49.6968



1.0615, 0.4411, 4.8425

Previews

White Background



This preview shows how the XYZ color 83.7250, 95.0560, 67.9677 looks on a white background.

Color Contrast Check

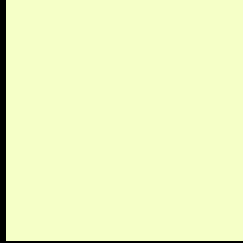
Large Text (above 18pt) WCAG AA × Fail

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 83.7250, 95.0560, 67.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

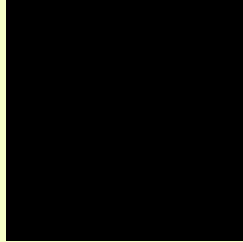
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.7250, 95.0560, 67.9677

Background



This preview shows how black text looks on a background with the XYZ color 83.7250, 95.0560, 67.9677.

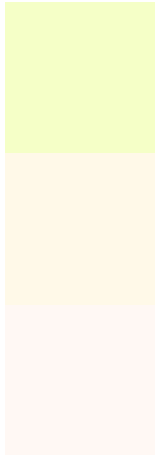


This preview shows how white text looks on a background with the XYZ color 83.7250, 95.0560,

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

83.7250, 95.0560, 67.9677

Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

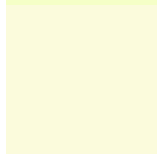
91.4011, 94.8640, 108.1010

Trichromacy



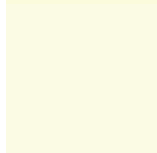
Original Color

83.7250, 95.0560, 67.9677



Protanomaly

87.1991, 94.6709, 81.3876



Deuteranomaly

88.2844, 95.1050, 87.1028



Tritanomaly

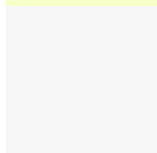
88.5595, 95.1323, 92.2920

Monochromacy



Original Color

83.7250, 95.0560, 67.9677



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.0246, 93.0013, 87.5458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7250, 95.0560, 67.9677 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(245, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 83.7250, 95.0560, 67.9677 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(245, 255, 199) }
```


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

```
.border{ border-color:rgb(245, 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(245, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7250, 95.0560, 67.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 199) }
```

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

```
.background{ background-color: rgb(245,  
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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