

Converting Colors

XYZ(84.6718, 100.0000,
64.0518)

Have a look what the booklet for
XYZ(84.6718, 100.0000, 64.0518)
contains.

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Color

**XYZ(81.7819, 94.1588,
63.1543)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFBF
RGB	242, 255, 191
RGB Percent	95%, 100%, 75%
CMY	0.0510, 0.0000, 0.2510
CMYK	0.05, 0.00, 0.25, 0.00
HSL	72°, 100%, 87%
HSV	72°, 25%, 100%
XYZ	81.7819, 94.1588, 63.1543
YIQ	243.8170, 12.7960, -22.6600

Conversions

Conversions Part 2

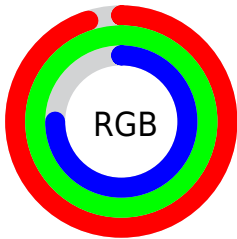
Format	Color
RYB	191, 255, 204
Decimal	15925183
CIELab	97.70, -14.50, 29.23
CIElCh	98, 32.635, 116.387
Yxy	94.1588, 0.3420, 0.3938
Android (android.graphics.Color)	4294115263 (0xFFFF2FFBF)
YUV	243.8170, -26.0388, -1.5935
Hunter-Lab	97.0355, -19.3715, 29.3367

Details

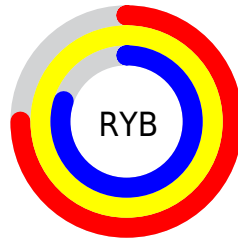
The XYZ color **81.7819, 94.1588, 63.1543** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.5836, 57.3202, 102.4258**, and the grayscale version is **86.0364, 90.5170, 98.5730**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **44.7170, 52.5086, 31.4452** is the 20% darker color. If you saturate the color by 10%, you get **77.4626, 92.2287, 49.5567**, and if you desaturate by 10%, it is **86.6411, 96.3108, 79.3301**.

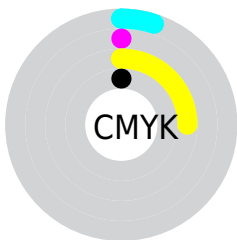
Distribution



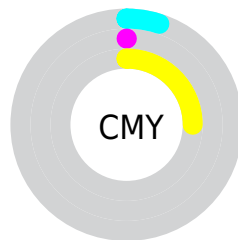
- Red (95%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (80%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7819, 94.1588, 63.1543 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 81.7819, 94.1588, 63.1543 by changing the saturation by 10% instead.


 81.7819, 94.1588,
63.1543

 81.7819, 94.1588,
63.1543


489.5634,
541.4685, 454.2526

 61.4993, 71.4350,
45.5242


 134.8055,
153.1019, 110.9798

 44.8823, 52.6973,
31.5246


168.2772,
190.0901, 142.0124

 31.5656, 37.5612,
20.7368


206.8760,
232.6019, 178.3495

 21.1839, 25.6423,
12.7424

250.9672,
281.0216, 220.4097

 13.3717, 16.5562,
7.1228

300.9162,
335.7338, 268.6116

 7.7637, 9.9186,
3.4594

357.0883,

 3.9947, 5.3450,

397.1227, 323.3737

1.3337

419.8490,
465.5728, 385.1145

■ 1.6991, 2.4511,
0.0892

■ 0.4557, 0.8520,
0.0000

■ 81.7819, 94.1588,
63.1543

■ 81.7819, 94.1588,
63.1543

■ 77.4626, 92.2287,
49.5567

■ 86.6411, 96.3108,
79.3301

■ 73.6562, 90.5093,
38.3998

■ 92.0627, 98.6936,
98.2038

■ 70.3349, 88.9899,
29.5396

95.0500, 100.0000,
108.9000

■ 67.4680, 87.6578,
22.8154

■ 65.0205, 86.4990,
18.0456

■ 62.9517, 85.4974,
15.0187

■ 61.2118, 84.6329,
13.4737

■ 60.4441, 84.2451,
13.0752

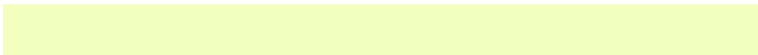
Harmonies

Analogous

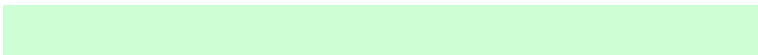
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6265, 94.1588, 59.4409



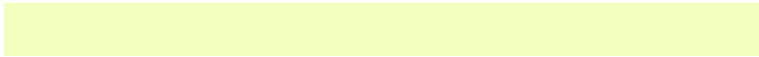
81.7819, 94.1588, 63.1543



75.4160, 94.1588, 76.7095

Triad

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



81.7819, 94.1588, 63.1543



79.9581, 94.1588, 151.3511



108.5508, 94.1588, 105.7834

Complementary

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



81.7819, 94.1588, 63.1543



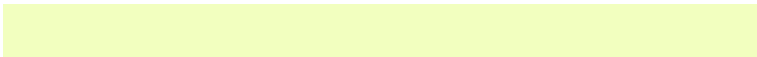
61.5836, 57.3202, 102.4258

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.



105.2257, 94.1588, 133.5610



81.7819, 94.1588, 63.1543



88.3732, 94.1588, 162.5862

Square

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



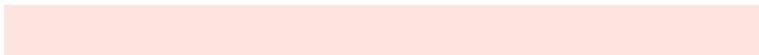
81.7819, 94.1588, 63.1543



74.4153, 94.1588, 127.0052



97.6787, 94.1588, 155.5730



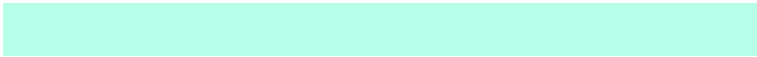
106.4858, 94.1588, 81.4082

Rectangle

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



81.7819, 94.1588, 63.1543



73.2187, 94.1588, 90.9376



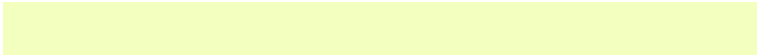
97.6787, 94.1588, 155.5730



108.0208, 94.1588, 115.0527

Sweetspot

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



81.7824, 94.1590, 63.1557



90.4296, 97.9776, 92.4400



72.1900, 68.1133, 58.6339



19.1786, 20.8935, 19.1664



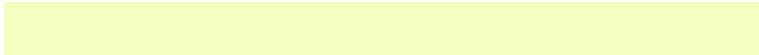
0.0000, 0.0000, 0.0000



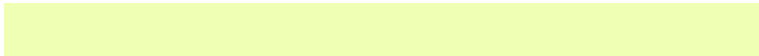
20.3446, 21.4041, 23.3091

Same Dimension

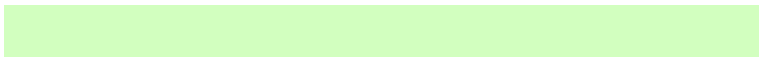
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7824, 94.1590, 63.1557



79.5987, 93.1856, 56.1745



71.8000, 89.0129, 62.6885



19.1786, 20.8935, 19.1664



31.7098, 44.0851, 6.8380



3.1746, 4.3373, 0.6699

Inverse Universe

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



61.5836, 57.3202, 102.4258



56.3282, 50.7346, 101.4317



71.2072, 62.2814, 102.8762



17.3476, 17.5554, 22.7242



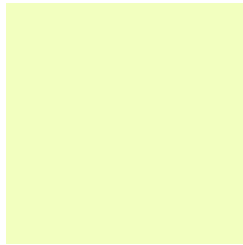
10.2624, 4.2010, 49.7046



1.0835, 0.4525, 4.8435

Previews

White Background



This preview shows how the XYZ color 81.7819, 94.1588, 63.1543 looks on a white background.

Color Contrast Check

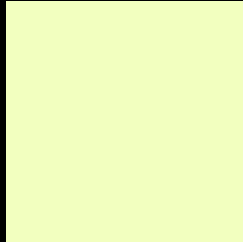
Large Text (above 18pt) WCAG AA × Fail

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 81.7819, 94.1588, 63.1543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

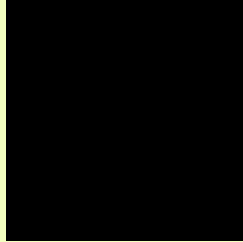
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7819, 94.1588, 63.1543

Background



This preview shows how black text looks on a background with the XYZ color 81.7819, 94.1588, 63.1543.

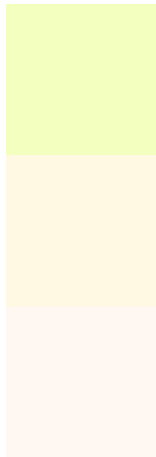


This preview shows how white text looks on a background with the XYZ color 81.7819, 94.1588, 63.1543.

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

81.7819, 94.1588, 63.1543

Protanopia

88.6725, 93.9409, 86.1319

Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

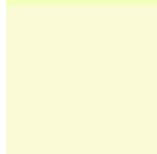
90.7351, 94.0655, 107.9820

Trichromacy



Original Color

81.7819, 94.1588, 63.1543



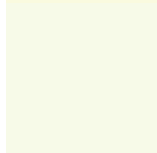
Protanomaly

86.0591, 94.1734, 77.2598



Deuteranomaly

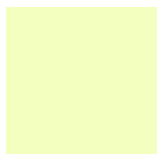
86.9292, 94.0229, 83.3786



Tritanomaly

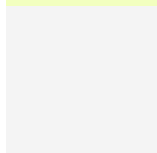
87.1089, 93.9716, 89.8911

Monochromacy



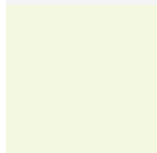
Original Color

81.7819, 94.1588, 63.1543



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1202, 91.6257, 84.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7819, 94.1588, 63.1543 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(242, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 191)  
}
```

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(242, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 81.7819, 94.1588, 63.1543 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(242, 255, 191) }
```


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

```
.border{ border-color:rgb(242, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7819, 94.1588, 63.1543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 191) }
```

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

```
.background{ background-color: rgb(242,  
255, 191) }
```

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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