

Converting Colors

XYZ(84.6815, 100.0000,
61.6411)

Have a look what the booklet for
XYZ(84.6815, 100.0000, 61.6411)
contains.

XYZ(81.6918, 94.1625, 60.8833)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.6918, 94.1625,
60.8833)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFBB
RGB	243, 255, 187
RGB Percent	95%, 100%, 73%
CMY	0.0471, 0.0000, 0.2667
CMYK	0.05, 0.00, 0.27, 0.00
HSL	71°, 100%, 87%
HSV	71°, 27%, 100%
XYZ	81.6918, 94.1625, 60.8833
YIQ	243.6600, 14.6760, -23.6920

Conversions

Conversions Part 2

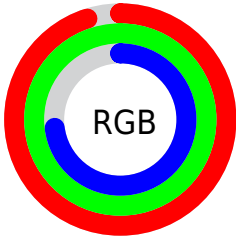
Format	Color
RYB	187, 255, 199
Decimal	15990715
CIELab	97.70, -14.69, 31.26
CIElCh	98, 34.538, 115.162
Yxy	94.1625, 0.3451, 0.3978
Android (android.graphics.Color)	4294180795 (0xFFFF3FFBB)
YUV	243.6600, -27.9334, -0.5788
Hunter-Lab	97.0374, -19.5435, 30.7264

Details

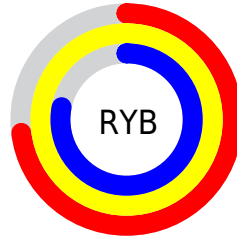
The XYZ color **81.6918, 94.1625, 60.8833** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.3745, 54.9040, 102.0759**, and the grayscale version is **85.9244, 90.3992, 98.4447**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **44.6774, 52.5207, 29.9731** is the 20% darker color. If you saturate the color by 10%, you get **77.6657, 92.3749, 47.6877**, and if you desaturate by 10%, it is **86.2417, 96.1641, 76.6363**.

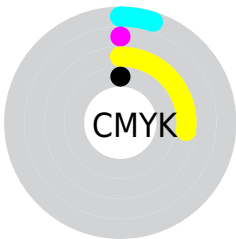
Distribution



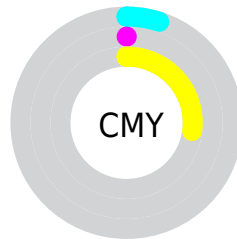
- Red (95%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6918, 94.1625, 60.8833 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 81.6918, 94.1625, 60.8833 by changing the saturation by 10% instead.


 81.6918, 94.1625,
60.8833

 81.6918, 94.1625,
60.8833


489.2663,
541.4803, 445.7407

 61.4248, 71.4381,
43.7010


 134.6798,
153.1071, 107.6658

 44.8219, 52.6998,
30.1001


168.1315,
190.0960, 138.1032

 31.5178, 37.5632,
19.6619


206.7087,
232.6086, 173.7960

 21.1472, 25.6438,
11.9679

250.7769,
281.0293, 215.1628

 13.3448, 16.5574,
6.5995

300.7014,
335.7424, 262.6221

 7.7450, 9.9194,
3.1383

356.8476,

 3.9826, 5.3456,

397.1324, 316.5925

1.1657

419.5808,
465.5835, 377.4925

■ 1.6923, 2.4514,
0.0000

■ 0.4515, 0.8522,
0.0000

■ 81.6918, 94.1625,
60.8833

■ 81.6918, 94.1625,
60.8833

■ 77.6657, 92.3749,
47.6877

■ 86.2417, 96.1641,
76.6363

■ 74.1360, 90.7902,
36.9103

■ 91.3380, 98.3887,
95.0677

■ 71.0751, 89.3973,
28.4050

95.0500, 100.0000,
108.9000

■ 68.4514, 88.1836,
22.0082

■ 66.2296, 87.1349,
17.5344

■ 64.3680, 86.2346,
14.7659

■ 62.8143, 85.4616,
13.4292

■ 62.3385, 85.2217,
13.1639

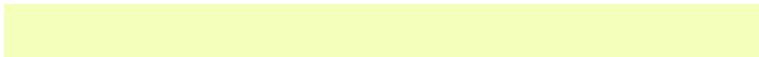
Harmonies

Analogous

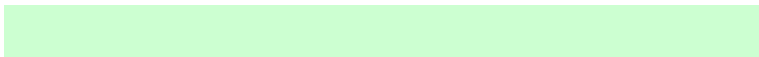
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1039, 94.1625, 57.4531



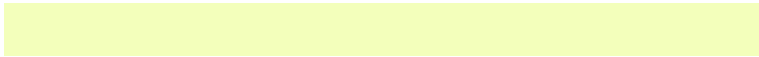
81.6918, 94.1625, 60.8833



74.8487, 94.1625, 74.5807

Triad

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



81.6918, 94.1625, 60.8833



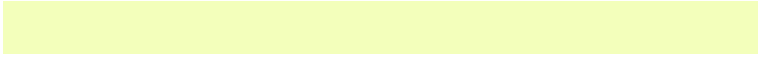
79.1185, 94.1625, 153.7489



109.7087, 94.1625, 107.1654

Complementary

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



81.6918, 94.1625, 60.8833



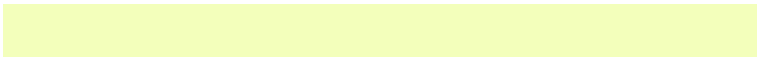
59.3745, 54.9040, 102.0759

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.



105.9453, 94.1625, 136.7048



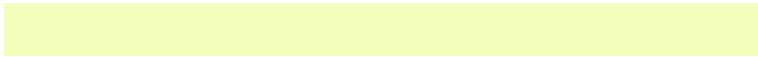
81.6918, 94.1625, 60.8833



87.9123, 94.1625, 166.5612

Square

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



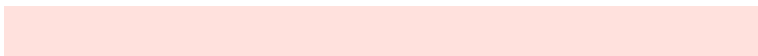
81.6918, 94.1625, 60.8833



73.4411, 94.1625, 127.3379



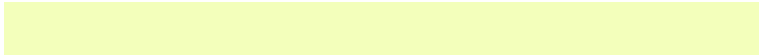
97.7876, 94.1625, 159.8145



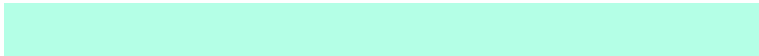
107.7411, 94.1625, 81.1682

Rectangle

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



81.6918, 94.1625, 60.8833



72.4250, 94.1625, 89.2660



97.7876, 94.1625, 159.8145



109.0645, 94.1625, 117.0401

Sweetspot

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



81.6923, 94.1628, 60.8847



90.6256, 98.0787, 92.4492



70.4807, 65.3896, 55.9218



19.2283, 20.9191, 19.1687



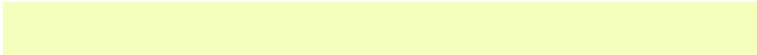
0.0000, 0.0000, 0.0000



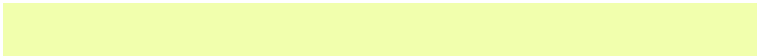
20.3446, 21.4041, 23.3091

Same Dimension

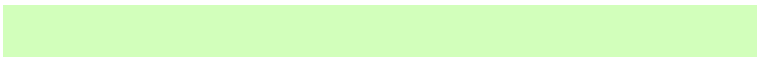
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6923, 94.1628, 60.8847



79.4809, 93.1831, 53.5355



71.2139, 88.7610, 60.3943



19.2283, 20.9191, 19.1687



32.6879, 44.5893, 6.8838



3.2614, 4.3821, 0.6739

Inverse Universe

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



59.3745, 54.9040, 102.0759



53.7601, 47.9267, 101.0251



69.2081, 59.9735, 102.5361



17.3018, 17.5318, 22.7220



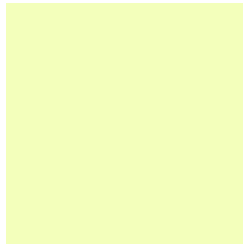
10.0830, 4.1084, 49.6962



1.0597, 0.4402, 4.8424

Previews

White Background



This preview shows how the XYZ color 81.6918, 94.1625, 60.8833 looks on a white background.

Color Contrast Check

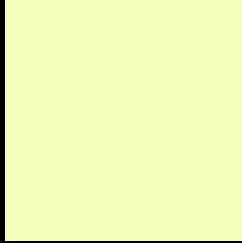
Large Text (above 18pt) WCAG AA × Fail

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 81.6918, 94.1625, 60.8833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

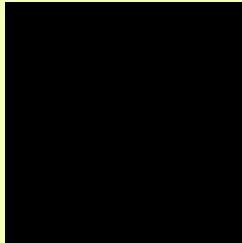
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6918, 94.1625, 60.8833

Background



This preview shows how black text looks on a background with the XYZ color 81.6918, 94.1625, 60.8833.



This preview shows how white text looks on a background with the XYZ color 81.6918, 94.1625,

Color Blindness Simulation

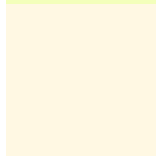
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



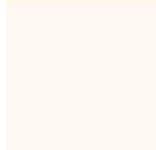
Original Color

81.6918, 94.1625, 60.8833



Protanopia

88.6725, 93.9409, 86.1319



Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

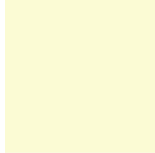
90.7351, 94.0655, 107.9820

Trichromacy



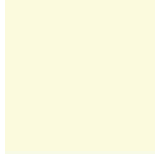
Original Color

81.6918, 94.1625, 60.8833



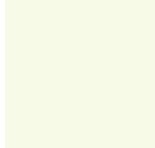
Protanomaly

86.1645, 94.2571, 75.9394



Deuteranomaly

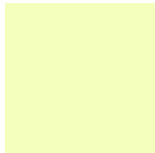
87.0204, 94.1009, 81.9834



Tritanomaly

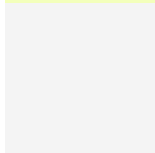
86.8263, 93.8585, 88.4032

Monochromacy



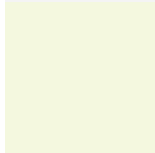
Original Color

81.6918, 94.1625, 60.8833



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.1949, 91.6956, 83.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6918, 94.1625, 60.8833 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(243, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 187)  
}
```

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(243, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 81.6918, 94.1625, 60.8833 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(243, 255, 187) }
```


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

```
.border{ border-color:rgb(243, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6918, 94.1625, 60.8833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 187) }
```

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

```
.background{ background-color: rgb(243,  
255, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor