

Converting Colors

XYZ(83.7966, 95.2476, 60.9818)

Have a look what the booklet for
XYZ(83.7966, 95.2476, 60.9818)
contains.

XYZ(83.7966, 95.2476, 60.9818)	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(83.7966, 95.2476,
60.9818)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFBB
RGB	249, 255, 187
RGB Percent	98%, 100%, 73%
CMY	0.0235, 0.0000, 0.2667
CMYK	0.02, 0.00, 0.27, 0.00
HSL	65°, 100%, 87%
HSV	65°, 27%, 100%
XYZ	83.7966, 95.2476, 60.9818
YIQ	245.4540, 18.2520, -22.4200

Conversions

Conversions Part 2

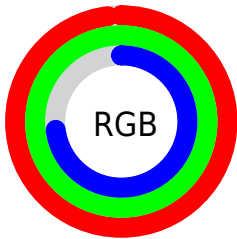
Format	Color
RYB	187, 255, 193
Decimal	16383931
CIELab	98.13, -12.51, 31.92
CIELCh	98, 34.287, 111.403
Yxy	95.2476, 0.3491, 0.3968
Android (android.graphics.Color)	4294574011 (0xFFFF9FFBB)
YUV	245.4540, -28.8178, 3.1098
Hunter-Lab	97.5949, -17.5279, 31.2693

Details

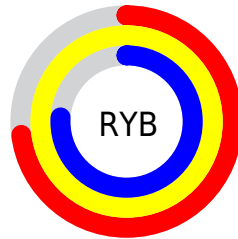
The XYZ color **83.7966, 95.2476, 60.9818** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.8136, 54.0994, 102.0029**, and the grayscale version is **87.3705, 91.9206, 100.1015**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **46.1659, 53.2881, 30.0427** is the 20% darker color. If you saturate the color by 10%, you get **80.5073, 93.8398, 47.8207**, and if you desaturate by 10%, it is **87.5811, 96.8546, 76.6989**.

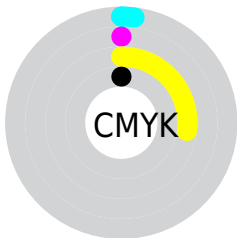
Distribution



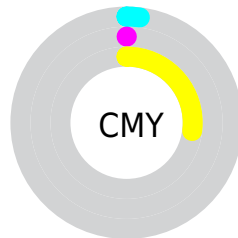
- Red (98%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7966, 95.2476, 60.9818 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 83.7966, 95.2476, 60.9818 by changing the saturation by 10% instead.


 83.7966, 95.2476,
60.9818

 83.7966, 95.2476,
60.9818


496.1814,
544.9573, 446.1120

 63.1667, 72.3411,
43.7800


 137.6133,
154.6066, 107.8099

 46.2352, 53.4373,
30.1617


171.5309,
191.8279, 138.2732

 32.6369, 38.1520,
19.7082


210.6083,
234.5896, 173.9942

 22.0063, 26.1007,
12.0012

255.2110,
283.2760, 215.3913

 13.9782, 16.8990,
6.6219

305.7043,
338.2716, 262.8831

 8.1871, 10.1625,
3.1520

362.4535,

 4.2677, 5.5068,

399.9608, 316.8881

1.1727

425.8241,
468.7279, 377.8249

■ 1.8547, 2.5476,
0.0000

■ 0.5503, 0.9004,
0.0000

■ 83.7966, 95.2476,
60.9818

■ 83.7966, 95.2476,
60.9818

■ 80.5073, 93.8398,
47.8207

■ 87.5811, 96.8546,
76.6989

■ 77.6864, 92.6205,
37.0765

■ 91.8834, 98.6699,
95.0932

■ 75.3061, 91.5784,
28.6030

95.0500, 100.0000,
108.9000

■ 73.3353, 90.7014,
22.2368

■ 71.7389, 89.9751,
17.7922

■ 70.4755, 89.3831,
15.0518

■ 69.4930, 88.9046,
13.7418

■ 69.2017, 88.7598,
13.4850

Harmonies

Analogous

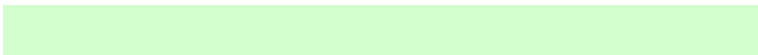
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3890, 95.2476, 58.8116



83.7966, 95.2476, 60.9818



76.5274, 95.2476, 73.4330

Triad

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



83.7966, 95.2476, 60.9818



79.2276, 95.2476, 152.1081



110.5653, 95.2476, 112.0247

Complementary

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



83.7966, 95.2476, 60.9818



57.8136, 54.0994, 102.0029

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.



106.1442, 95.2476, 141.3358



83.7966, 95.2476, 60.9818



87.7299, 95.2476, 167.0742

Square

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



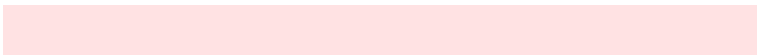
83.7966, 95.2476, 60.9818



74.0256, 95.2476, 124.7758



97.6147, 95.2476, 162.8103



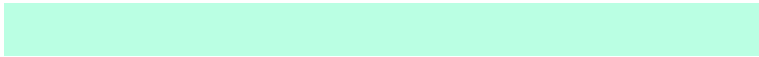
109.3215, 95.2476, 85.1569

Rectangle

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



83.7966, 95.2476, 60.9818



73.7487, 95.2476, 87.3633



97.6147, 95.2476, 162.8103



109.6814, 95.2476, 121.9748

Sweetspot

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



83.7970, 95.2478, 60.9831



91.2786, 98.4153, 92.4798



69.2067, 62.8416, 55.4971



19.3939, 21.0045, 19.1764



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

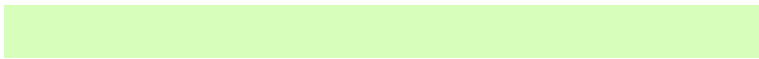
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7970, 95.2478, 60.9831



81.9823, 94.4726, 53.6525



72.8526, 89.6058, 60.4710



19.3939, 21.0045, 19.1764



36.2248, 46.4127, 7.0493



3.5715, 4.5420, 0.6884

Inverse Universe

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



57.8136, 54.0994, 102.0029



52.0327, 47.0362, 100.9442



67.3947, 59.0386, 102.4512



17.1515, 17.4543, 22.7150



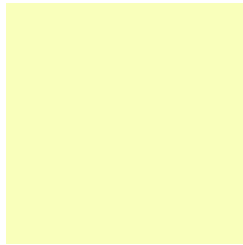
9.6604, 3.8906, 49.6764



0.9887, 0.4036, 4.8391

Previews

White Background



This preview shows how the XYZ color 83.7966, 95.2476, 60.9818 looks on a white background.

Color Contrast Check

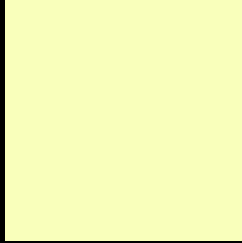
Large Text (above 18pt) WCAG AA × Fail

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 83.7966, 95.2476, 60.9818 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 83.7966, 95.2476, 60.9818

Background



This preview shows how black text looks on a background with the XYZ color 83.7966, 95.2476, 60.9818.

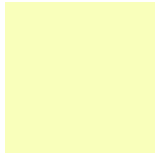


This preview shows how white text looks on a background with the XYZ color 83.7966, 95.2476,

Color Blindness Simulation

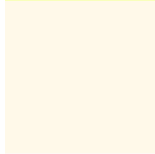
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



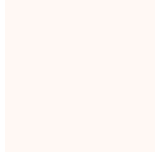
Original Color

83.7966, 95.2476, 60.9818



Protanopia

89.8237, 94.8946, 90.6731



Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

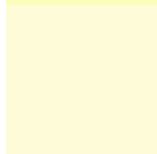
92.1254, 95.2374, 108.1349

Trichromacy



Original Color

83.7966, 95.2476, 60.9818



Protanomaly

87.3999, 94.8349, 78.6642



Deuteranomaly

88.3245, 95.2047, 83.5332



Tritanomaly

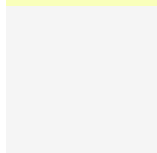
88.9250, 95.4030, 88.5907

Monochromacy



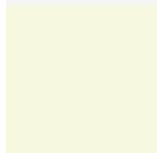
Original Color

83.7966, 95.2476, 60.9818



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.3363, 92.7260, 83.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7966, 95.2476, 60.9818 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(249, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 83.7966, 95.2476, 60.9818 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(249, 255, 187) }
```


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

```
.border{ border-color:rgb(249, 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(249, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7966, 95.2476, 60.9818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 187) }
```

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

```
.background{ background-color: rgb(249,  
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