

# Converting Colors

XYZ(84.0077, 95.5831, 50.7521)

Have a look what the booklet for  
XYZ(84.0077, 95.5831, 50.7521)  
contains.

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# **Color**

**XYZ(83.9751, 95.5700,  
50.5801)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFFFA7                      |
| RGB         | 255, 255, 167               |
| RGB Percent | 100%, 100%, 65%             |
| CMY         | 0.0000, 0.0000, 0.3451      |
| CMYK        | 0.00, 0.00, 0.35, 0.00      |
| HSL         | 60°, 100%, 83%              |
| HSV         | 60°, 35%, 100%              |
| XYZ         | 83.9751, 95.5700, 50.5801   |
| YIQ         | 244.9680, 28.2480, -27.3680 |

# Conversions

## Conversions Part 2

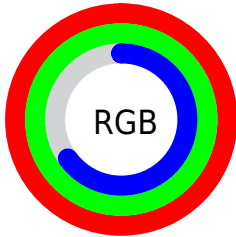
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 167, 255, 167                 |
| Decimal                             | 16777127                      |
| CIE <sub>Lab</sub>                  | 98.26, -12.73, 42.11          |
| CIE <sub>LCh</sub>                  | 98, 43.988, 106.817           |
| Yxy                                 | 95.5700, 0.3649,<br>0.4153    |
| Android<br>(android.graphics.Color) | 4294967207<br>(0xFFFFFFFFA7)  |
| YUV                                 | 244.9680, -38.4382,<br>8.7981 |
| Hunter-Lab                          | 97.7599, -17.7496,<br>37.7558 |

# Details

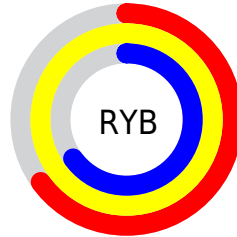
The XYZ color **83.9751, 95.5700, 50.5801** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.8061, 43.0742, 100.4022**, and the grayscale version is **87.0478, 91.5811, 99.7318**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **46.2573, 53.4734, 23.8030** is the 20% darker color. If you saturate the color by 10%, you get **81.8452, 94.7181, 39.3646**, and if you desaturate by 10%, it is **86.5702, 96.6081, 64.2462**.

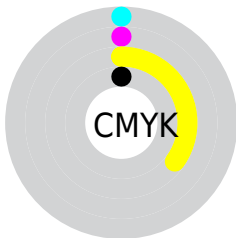
# Distribution



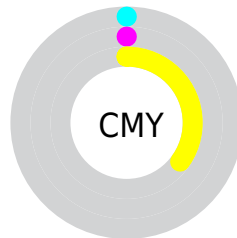
- Red (100%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9751, 95.5700, 50.5801 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 83.9751, 95.5700, 50.5801 by changing the saturation by 10% instead.





 83.9751, 95.5700,  
50.5801


 83.9751, 95.5700,  
50.5801


496.7655,  
545.9882, 405.7300

 63.3145, 72.6095,  
35.5001


 137.8618,  
155.0518, 92.4389

 46.3553, 53.6567,  
23.7618


 171.8186,  
192.3420, 120.0549

 32.7321, 38.3273,  
14.9464


210.9382,  
235.1774, 152.6866

 22.0795, 26.2368,  
8.6356

255.5859,  
283.9425, 190.7525

 14.0323, 17.0009,  
4.4107

306.1272,  
339.0218, 234.6713

 8.2250, 10.2351,  
1.8533

362.9273,

 4.2923, 5.5551,

400.7996, 284.8615

0.4627

426.3516,  
469.6602, 341.7415

■ 1.8688, 2.5765,  
0.0000

■ 0.5586, 0.9149,  
0.0000

■ 83.9751, 95.5700,  
50.5801

■ 83.9751, 95.5700,  
50.5801

■ 81.8452, 94.7181,  
39.3646

■ 86.5702, 96.6081,  
64.2462

■ 80.1525, 94.0410,  
30.4510

■ 89.6552, 97.8421,  
80.4916

■ 78.8669, 93.5268,  
23.6812

■ 93.2537, 99.2815,  
99.4408

■ 77.9542, 93.1617,  
18.8748

95.0500, 100.0000,  
108.9000

■ 77.3746, 92.9298,  
15.8226

■ 77.0793, 92.8117,  
14.2675

■ 77.0000, 92.7800,  
13.8500

# Harmonies

## Analogous

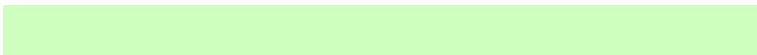
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5012, 95.5700, 49.8762



83.9751, 95.5700, 50.5801



74.2196, 95.5700, 63.2751

# Triad

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



83.9751, 95.5700, 50.5801



75.1775, 95.5700, 163.6118



116.6549, 95.5700, 120.7803

# Complementary

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



83.9751, 95.5700, 50.5801



47.8061, 43.0742, 100.4022

# 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.



109.7649, 95.5700, 159.4220



83.9751, 95.5700, 50.5801



85.3978, 95.5700, 187.7530

# Square

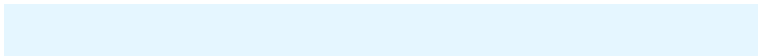
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9751, 95.5700, 50.5801



69.4731, 95.5700, 125.5573



98.0617, 95.5700, 186.0626



116.1836, 95.5700, 85.1673

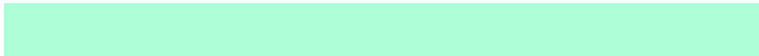


# Rectangle

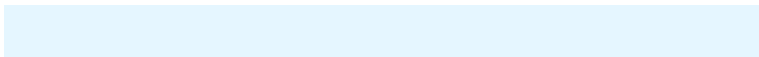
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9751, 95.5700, 50.5801



70.2491, 95.5700, 78.9597



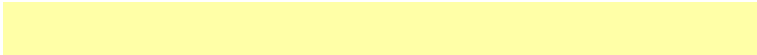
98.0617, 95.5700, 186.0626



115.0977, 95.5700, 133.9836

# Sweetspot

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



83.9753, 95.5701, 50.5814



91.2128, 98.4651, 88.6935



62.0345, 51.6885, 43.2678



19.4169, 21.0330, 18.4241



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

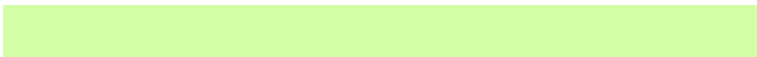
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9753, 95.5701, 50.5814



82.5413, 94.9965, 43.0303



69.5996, 88.1592, 49.9086



19.5613, 21.0908, 19.1843



40.2342, 48.4795, 7.2369



3.9175, 4.7203, 0.7046



# Inverse Universe

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



47.8061, 43.0742, 100.4022



41.6889, 35.7034, 99.3019



58.7335, 48.7075, 100.9136



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

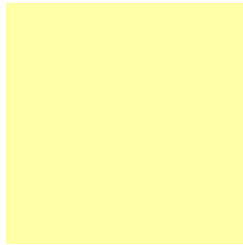


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 83.9751, 95.5700, 50.5801 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

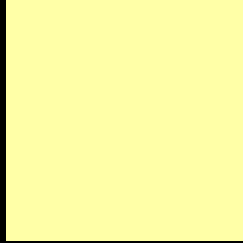
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9751, 95.5700, 50.5801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

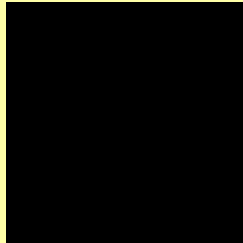
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.9751, 95.5700, 50.5801

## Background



This preview shows how black text looks on a background with the XYZ color 83.9751, 95.5700, 50.5801.



This preview shows how white text looks on a background with the XYZ color 83.9751, 95.5700,



# 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

83.9751, 95.5700, 50.5801

### Protanopia

90.2769, 95.5717, 91.5310

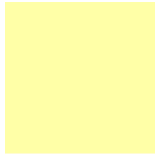
### Deuteranopia

91.4448, 95.5430, 99.2099

## **Tritanopia**

92.6968, 95.5506, 107.3234

# Trichromacy



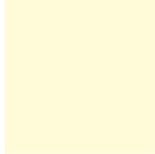
## Original Color

83.9751, 95.5700, 50.5801



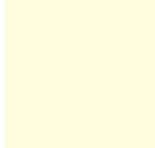
## Protanomaly

87.6833, 95.5340, 74.7913



## Deuteranomaly

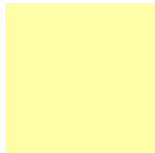
88.1319, 95.2122, 78.6985



## Tritanomaly

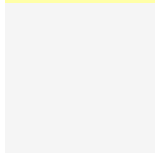
88.9220, 95.5283, 82.8594

# Monochromacy



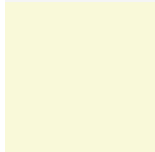
## Original Color

83.9751, 95.5700, 50.5801



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.4670, 92.9009, 79.0727

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9751, 95.5700, 50.5801 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(255, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 167)  
}
```

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(255, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9751, 95.5700, 50.5801 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(255, 255, 167) }
```



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

```
.border{ border-color:rgb(255, 255, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9751, 95.5700, 50.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 167) }
```

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

```
.background{ background-color: rgb(255,  
255, 167) }
```

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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