

Converting Colors

XYZ(84.0533, 93.7625, 56.6609)

Have a look what the booklet for
XYZ(84.0533, 93.7625, 56.6609)
contains.

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Color

**XYZ(83.9754, 93.5496,
56.8109)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBB4
RGB	255, 251, 180
RGB Percent	100%, 98%, 71%
CMY	0.0000, 0.0157, 0.2941
CMYK	0.00, 0.02, 0.29, 0.00
HSL	57°, 100%, 85%
HSV	57°, 29%, 100%
XYZ	83.9754, 93.5496, 56.8109
YIQ	244.1020, 25.1750, -21.2330

Conversions

Conversions Part 2

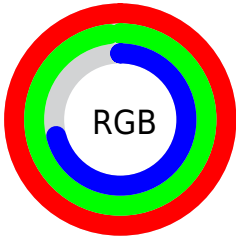
Format	Color
RYB	184, 255, 180
Decimal	16776116
CIELab	97.45, -9.23, 34.59
CIELCh	97, 35.804, 104.940
Yxy	93.5496, 0.3584, 0.3992
Android (android.graphics.Color)	4294966196 (0xFFFFFBB4)
YUV	244.1020, -31.6023, 9.5575
Hunter-Lab	96.7210, -14.2841, 32.8796

Details

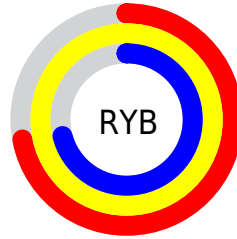
The XYZ color **83.9754, 93.5496, 56.8109** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.0126, 51.2029, 101.6441**, and the grayscale version is **86.3035, 90.7980, 98.8791**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **46.3718, 52.4328, 27.7552** is the 20% darker color. If you saturate the color by 10%, you get **81.1912, 91.7629, 44.2244**, and if you desaturate by 10%, it is **87.2451, 95.5419, 71.9192**.

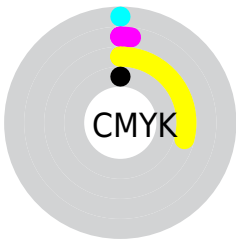
Distribution



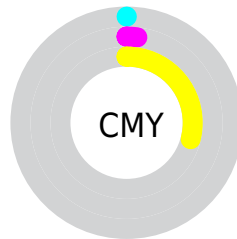
- Red (100%)
- Green (98%)
- Blue (71%)



- Red (72%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9754, 93.5496, 56.8109 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 83.9754, 93.5496, 56.8109 by changing the saturation by 10% instead.


 83.9754, 93.5496,
56.8109

 83.9754, 93.5496,
56.8109


496.7664,
539.5112, 430.2142

 63.3148, 70.9284,
40.4451


 137.8622,
152.2593, 101.6868

 46.3555, 52.2838,
27.5693


171.8191,
189.1166, 131.0340

 32.7323, 37.2313,
17.7651


210.9388,
231.4880, 165.5454

 22.0797, 25.3866,
10.6137

255.5866,
279.7580, 205.6395

 14.0324, 16.3653,
5.6969

306.1279,
334.3109, 251.7349

 8.2250, 9.7830,
2.5959

362.9281,

 4.2923, 5.2554,

395.5311, 304.2501

0.8903

426.3525,
463.8031, 363.6037

■ 1.8688, 2.3979,
0.0000

■ 0.5586, 0.8248,
0.0000

■ 83.9754, 93.5496,
56.8109

■ 83.9754, 93.5496,
56.8109

■ 81.1912, 91.7629,
44.2244

■ 87.2451, 95.5419,
71.9192

■ 78.8595, 90.1587,
34.0157

■ 91.0178, 97.7370,
89.6710

■ 76.9537, 88.7298,
26.0352

95.0500, 100.0000,
108.9000

■ 75.4419, 87.4633,
20.1141

■ 74.2873, 86.3446,
16.0593

■ 73.4463, 85.3561,
13.6414

■ 72.8521, 84.4711,
12.5080

■ 72.8202, 84.4204,
12.4567

Harmonies

Analogous

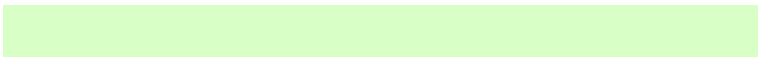
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0878, 93.5496, 56.8314



83.9754, 93.5496, 56.8109



75.8216, 93.5496, 67.1754

Triad

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



83.9754, 93.5496, 56.8109



75.7956, 93.5496, 146.6980



109.1406, 93.5496, 117.0950

Complementary

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



83.9754, 93.5496, 56.8109



54.0126, 51.2029, 101.6441

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.



103.4376, 93.5496, 146.8035



83.9754, 93.5496, 56.8109



83.9374, 93.5496, 165.9819

Square

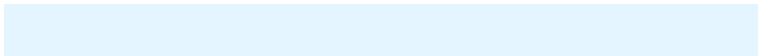
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9754, 93.5496, 56.8109



71.3493, 93.5496, 116.9711



94.0469, 93.5496, 166.0238



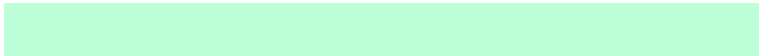
109.1527, 93.5496, 88.1092

Rectangle

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



83.9754, 93.5496, 56.8109



72.3716, 93.5496, 79.9573



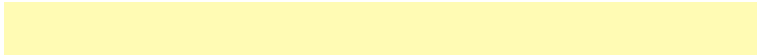
94.0469, 93.5496, 166.0238



107.8074, 93.5496, 127.4355

Sweetspot

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



83.9776, 93.5538, 56.8129



91.1840, 97.8318, 90.4587



66.3189, 57.4063, 53.4853



19.3920, 20.8686, 18.7693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

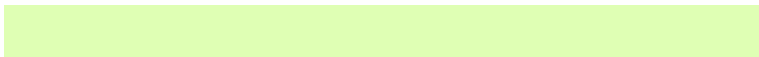
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9776, 93.5538, 56.8129



82.3626, 92.5291, 49.4752



74.2764, 90.4242, 56.7201



19.4735, 20.9151, 19.1550



38.0861, 44.1834, 6.5209



3.7327, 4.3507, 0.6430

Inverse Universe

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



54.0126, 51.2029, 101.6441



48.1926, 44.2382, 100.6065



61.6679, 53.9351, 101.7680



17.0806, 17.5328, 22.7339



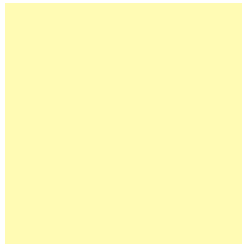
9.5421, 3.9937, 49.7025



0.9552, 0.4410, 4.8481

Previews

White Background



This preview shows how the XYZ color 83.9754, 93.5496, 56.8109 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 83.9754, 93.5496, 56.8109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

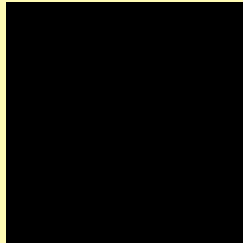
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9754, 93.5496, 56.8109

Background



This preview shows how black text looks on a background with the XYZ color 83.9754, 93.5496, 56.8109.

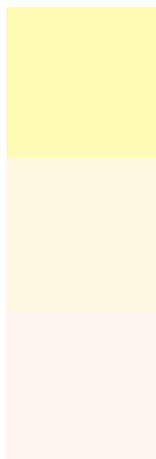


This preview shows how white text looks on a background with the XYZ color 83.9754, 93.5496,

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

83.9754, 93.5496, 56.8109

Protanopia

88.2619, 93.7766, 83.9698

Deuteranopia

89.7758, 93.4035, 94.9583



Tritanopia

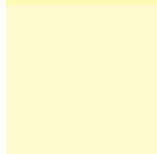
91.6220, 93.6567, 106.1771

Trichromacy



Original Color

83.9754, 93.5496, 56.8109



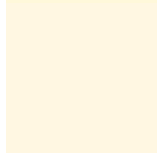
Protanomaly

86.5008, 93.5654, 73.1754



Deuteranomaly

87.4623, 93.4568, 79.7589



Tritanomaly

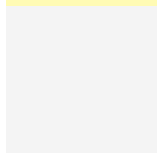
88.2282, 93.2725, 85.3048

Monochromacy



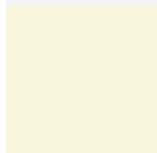
Original Color

83.9754, 93.5496, 56.8109



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

85.0233, 91.6984, 81.6250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9754, 93.5496, 56.8109 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, 251, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 180)  
}
```

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, 251, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 180) }
```

Border

The CSS property to change the border of an element to XYZ 83.9754, 93.5496, 56.8109 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, 251, 180) }
```


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

```
.border{ border-color:rgb(255, 251, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9754, 93.5496, 56.8109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 180) }
```

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

```
.background{ background-color: rgb(255,  
251, 180) }
```

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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