

Converting Colors

XYZ(83.2650, 95.0728, 56.4739)

Have a look what the booklet for
XYZ(83.2650, 95.0728, 56.4739)
contains.

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Color

**XYZ(83.3210, 95.0987,
56.6122)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFFB3
RGB	250, 255, 179
RGB Percent	98%, 100%, 70%
CMY	0.0196, 0.0000, 0.2980
CMYK	0.02, 0.00, 0.30, 0.00
HSL	64°, 100%, 85%
HSV	64°, 30%, 100%
XYZ	83.3210, 95.0987, 56.6122
YIQ	244.8410, 21.4160, -24.6960

Conversions

Conversions Part 2

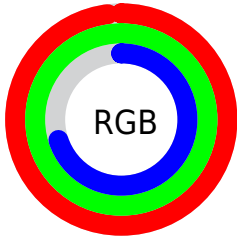
Format	Color
RYB	179, 255, 184
Decimal	16449459
CIELab	98.07, -13.16, 35.86
CIELCh	98, 38.195, 110.161
Yxy	95.0987, 0.3545, 0.4046
Android (android.graphics.Color)	4294639539 (0xFFFAFFB3)
YUV	244.8410, -32.4596, 4.5244
Hunter-Lab	97.5186, -18.1450, 33.8435

Details

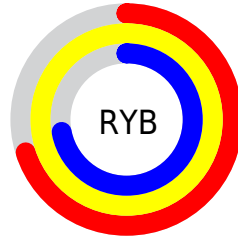
The XYZ color **83.3210, 95.0987, 56.6122** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.9383, 49.6518, 101.3486**, and the grayscale version is **86.9029, 91.4286, 99.5658**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **45.9523, 53.2320, 27.5915** is the 20% darker color. If you saturate the color by 10%, you get **80.3772, 93.8520, 44.2339**, and if you desaturate by 10%, it is **86.7477, 96.5391, 71.5050**.

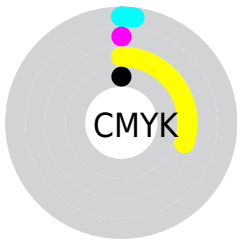
Distribution



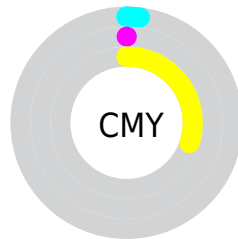
- Red (98%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (72%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.3210, 95.0987, 56.6122 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 83.3210, 95.0987, 56.6122 by changing the saturation by 10% instead.


 83.3210, 95.0987,
56.6122

 83.3210, 95.0987,
56.6122


494.6235,
544.4809, 429.4475

 62.7728, 72.2171,
40.2867


 136.9511,
154.4010, 101.3938

 45.9154, 53.3361,
27.4467


170.7638,
191.5904, 130.6870

 32.3834, 38.0711,
17.6736


209.7287,
234.3180, 165.1398

 21.8115, 26.0379,
10.5489

254.2111,
282.9680, 205.1709

 13.8343, 16.8520,
5.6540

304.5764,
337.9249, 251.1986

 8.0864, 10.1290,
2.5705

361.1900,

 4.2026, 5.4846,

399.5731, 303.6416

0.8772

424.4173,
468.2970, 362.9184

■ 1.8174, 2.5343,
0.0000

■ 0.5281, 0.8938,
0.0000

■ 83.3210, 95.0987,
56.6122

■ 83.3210, 95.0987,
56.6122

■ 80.3772, 93.8520,
44.2339

■ 86.7477, 96.5391,
71.5050

■ 77.8891, 92.7882,
34.2276

■ 90.6808, 98.1827,
89.0365

■ 75.8280, 91.8959,
26.4425

95.0500, 100.0000,
108.9000

■ 74.1618, 91.1621,
20.7089

■ 72.8536, 90.5721,
16.8327

■ 71.8594, 90.1084,
14.5827

■ 71.1089, 89.7427,
13.5887

■ 71.0950, 89.7359,
13.5737

Harmonies

Analogous

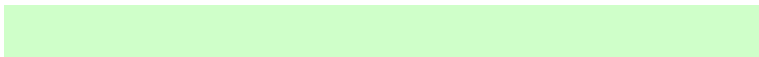
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0359, 95.0987, 54.7546



83.3210, 95.0987, 56.6122



75.1597, 95.0987, 69.5077

Triad

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



83.3210, 95.0987, 56.6122



77.5543, 95.0987, 157.1193



112.7722, 95.0987, 114.2008

Complementary

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



83.3210, 95.0987, 56.6122



53.9383, 49.6518, 101.3486

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.



107.5468, 95.0987, 147.2015



83.3210, 95.0987, 56.6122



86.8366, 95.0987, 175.0853

Square

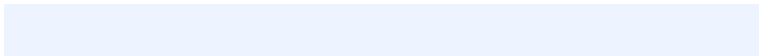
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3210, 95.0987, 56.6122



72.0215, 95.0987, 125.7615



97.8447, 95.0987, 171.1285



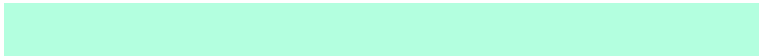
111.6393, 95.0987, 84.1146

Rectangle

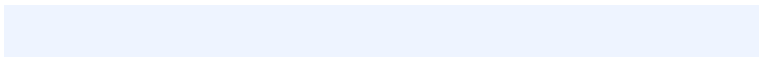
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3210, 95.0987, 56.6122



71.9867, 95.0987, 84.3924



97.8447, 95.0987, 171.1285



111.6859, 95.0987, 125.3990

Sweetspot

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



83.3213, 95.0988, 56.6135



91.0193, 98.3238, 90.5623



66.2697, 58.3002, 50.4094



19.3511, 20.9908, 18.7951



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

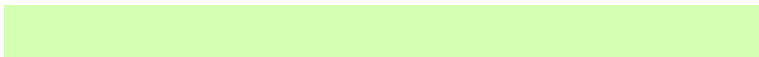
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3213, 95.0988, 56.6135



81.4416, 94.3040, 48.6544



71.3959, 88.9510, 56.0554



19.4363, 21.0263, 19.1784



37.1991, 46.9149, 7.0949



3.6561, 4.5855, 0.6924

Inverse Universe

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



53.9383, 49.6518, 101.3486



47.5963, 41.9470, 100.1957



63.9288, 54.8021, 101.8162



17.1136, 17.4348, 22.7132



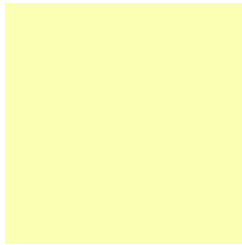
9.5914, 3.8550, 49.6732



0.9708, 0.3944, 4.8382

Previews

White Background



This preview shows how the XYZ color 83.3210, 95.0987, 56.6122 looks on a white background.

Color Contrast Check

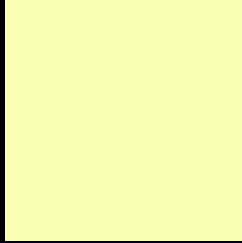
Large Text (above 18pt) WCAG AA × Fail

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 83.3210, 95.0987, 56.6122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

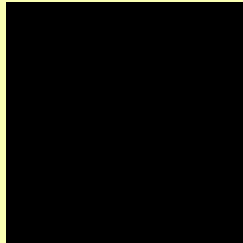
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.3210, 95.0987, 56.6122

Background



This preview shows how black text looks on a background with the XYZ color 83.3210, 95.0987, 56.6122.

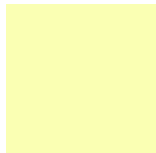


This preview shows how white text looks on a background with the XYZ color 83.3210, 95.0987,

Color Blindness Simulation

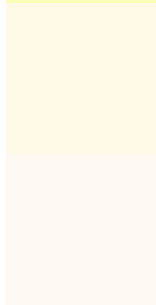
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.3210, 95.0987, 56.6122



Protanopia

89.6812, 94.8376, 89.9227

Deuteranopia

90.9851, 94.8659, 98.3095



Tritanopia

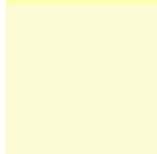
92.1838, 94.8124, 108.0497

Trichromacy



Original Color

83.3210, 95.0987, 56.6122



Protanomaly

87.0154, 94.6811, 76.6399



Deuteranomaly

87.9235, 95.0443, 81.4215



Tritanomaly

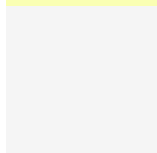
88.5587, 94.7999, 86.3037

Monochromacy



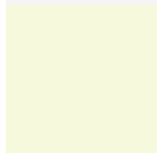
Original Color

83.3210, 95.0987, 56.6122



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.2846, 92.7460, 81.8134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.3210, 95.0987, 56.6122 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(250, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 179)  
}
```

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(250, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 83.3210, 95.0987, 56.6122 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(250, 255, 179) }
```


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

```
.border{ border-color:rgb(250, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 83.3210, 95.0987, 56.6122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 179) }
```

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

```
.background{ background-color: rgb(250,  
255, 179) }
```

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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