

Converting Colors

XYZ(83.6750, 100.0000,
56.2026)

Have a look what the booklet for
XYZ(83.6750, 100.0000, 56.2026)
contains.

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Color

**XYZ(80.5586, 93.7093,
54.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FFB0
RGB	243, 255, 176
RGB Percent	95%, 100%, 69%
CMY	0.0471, 0.0000, 0.3098
CMYK	0.05, 0.00, 0.31, 0.00
HSL	69°, 100%, 85%
HSV	69°, 31%, 100%
XYZ	80.5586, 93.7093, 54.9161
YIQ	242.4060, 18.2070, -27.1130

Conversions

Conversions Part 2

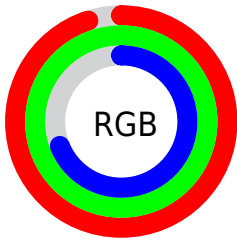
Format	Color
RYB	176, 255, 188
Decimal	15990704
CIELab	97.51, -16.11, 36.52
CIELCh	98, 39.909, 113.801
Yxy	93.7093, 0.3515, 0.4089
Android (android.graphics.Color)	4294180784 (0xFFFF3FFB0)
YUV	242.4060, -32.7382, 0.5209
Hunter-Lab	96.8036, -20.8610, 34.1276

Details

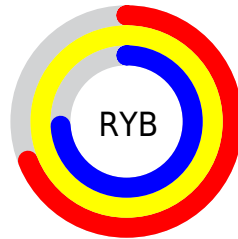
The XYZ color **80.5586, 93.7093, 54.9161** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **54.3154, 48.9633, 101.1959**, and the grayscale version is **84.9602, 89.3847, 97.3399**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **44.0189, 52.2573, 26.5055** is the 20% darker color. If you saturate the color by 10%, you get **76.9450, 92.1110, 42.7905**, and if you desaturate by 10%, it is **84.6751, 95.5119, 69.5416**.

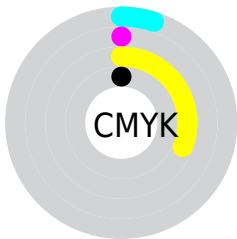
Distribution



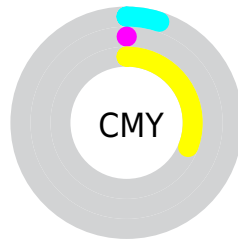
- Red (95%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (74%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5586, 93.7093, 54.9161 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 80.5586, 93.7093, 54.9161 by changing the saturation by 10% instead.


 80.5586, 93.7093,
54.9161

 80.5586, 93.7093,
54.9161

485.5213,
540.0246, 422.8668

 60.4882, 71.0612,
38.9364


 133.0972,
152.4802, 98.8879

 44.0632, 52.3921,
26.4028


166.2961,
189.3719, 127.7172

 30.9183, 37.3177,
16.8968

204.6019,
231.7801, 161.6666

 20.6882, 25.4536,
9.9997

248.3799,
280.0894, 201.1549

 13.0074, 16.4153,
5.2932

297.9955,
334.6841, 246.6005

 7.5107, 9.8185,
2.3586

353.8140,

 3.8326, 5.2788,

395.9486, 298.4220

0.7637

416.2008,
464.2673, 357.0379

■ 1.6079, 2.4118,
0.0000

■ 0.3975, 0.8319,
0.0000

■ 80.5586, 93.7093,
54.9161

■ 80.5586, 93.7093,
54.9161

■ 76.9450, 92.1110,
42.7905

■ 84.6751, 95.5119,
69.5416

■ 73.8065, 90.7060,
33.0209

■ 89.3181, 97.5285,
86.7922

■ 71.1139, 89.4827,
25.4545

■ 94.5110, 99.7683,
106.7895

■ 68.8346, 88.4278,
19.9193

■ 95.0500, 100.0000,
108.9000

■ 66.9307, 87.5263,
16.2176

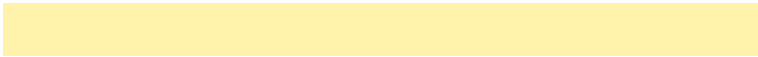
■ 65.3571, 86.7600,
14.1124

■ 64.1573, 86.1594,
13.2490

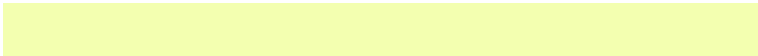
Harmonies

Analogous

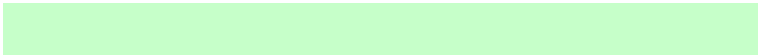
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4420, 93.7093, 51.7095



80.5586, 93.7093, 54.9161



72.6123, 93.7093, 69.4312

Triad

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



80.5586, 93.7093, 54.9161



76.8063, 93.7093, 161.1469



112.5397, 93.7093, 108.9227

Complementary

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



80.5586, 93.7093, 54.9161



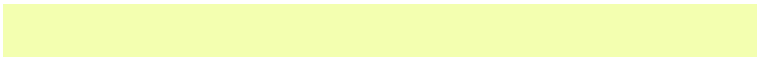
54.3154, 48.9633, 101.1959

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.



107.8387, 93.7093, 143.5148



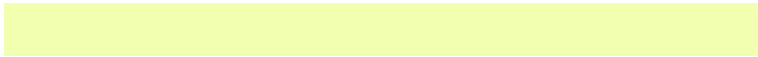
80.5586, 93.7093, 54.9161



86.7352, 93.7093, 177.5169

Square

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



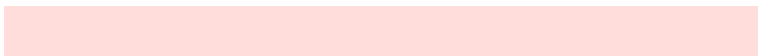
80.5586, 93.7093, 54.9161



70.5779, 93.7093, 129.3534



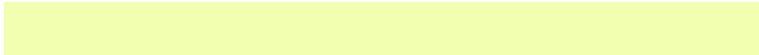
98.1562, 93.7093, 170.4611



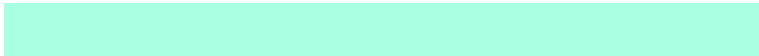
110.5342, 93.7093, 78.8596

Rectangle

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



80.5586, 93.7093, 54.9161



69.7349, 93.7093, 85.5924



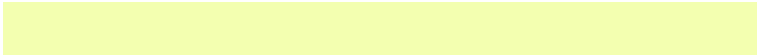
98.1562, 93.7093, 170.4611



111.6795, 93.7093, 120.4557

Sweetspot

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



80.5589, 93.7094, 54.9174



90.3016, 97.9538, 90.5287



67.0284, 60.2980, 49.1815



19.1731, 20.8990, 18.7868



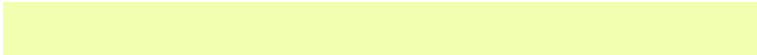
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

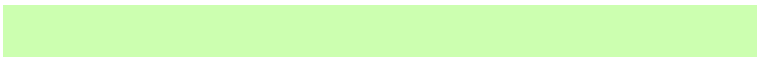
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5589, 93.7094, 54.9174



78.3246, 92.7233, 47.3259



68.4032, 87.4429, 54.3485



19.2742, 20.9428, 19.1708



33.6261, 45.0730, 6.9277



3.3442, 4.4248, 0.6778

Inverse Universe

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



54.3154, 48.9633, 101.1959



48.4089, 41.6994, 100.1051



65.3652, 54.6597, 101.7130



17.2598, 17.5101, 22.7201



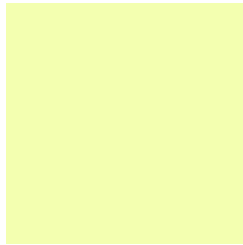
9.9397, 4.0346, 49.6895



1.0395, 0.4298, 4.8414

Previews

White Background



This preview shows how the XYZ color 80.5586, 93.7093, 54.9161 looks on a white background.

Color Contrast Check

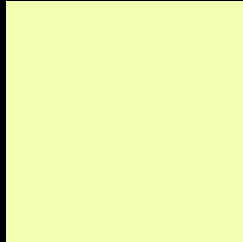
Large Text (above 18pt) WCAG AA × Fail

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 80.5586, 93.7093, 54.9161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

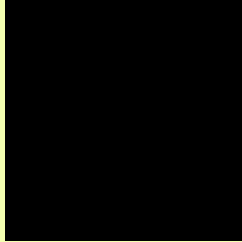
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5586, 93.7093, 54.9161

Background



This preview shows how black text looks on a background with the XYZ color 80.5586, 93.7093, 54.9161.

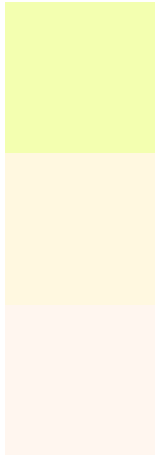


This preview shows how white text looks on a background with the XYZ color 80.5586, 93.7093,

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

80.5586, 93.7093, 54.9161

Protanopia

88.2619, 93.7766, 83.9698

Deuteranopia

89.7758, 93.4035, 94.9583



Tritanopia

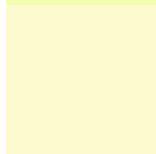
90.7894, 93.6408, 107.8971

Trichromacy



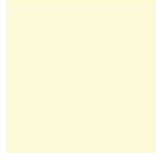
Original Color

80.5586, 93.7093, 54.9161



Protanomaly

85.5433, 94.0086, 72.6683



Deuteranomaly

86.0540, 93.2185, 78.4232



Tritanomaly

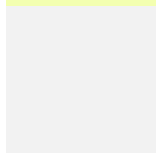
86.3145, 93.1988, 85.3914

Monochromacy



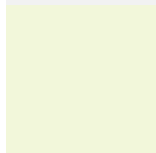
Original Color

80.5586, 93.7093, 54.9161



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5336, 90.4607, 79.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5586, 93.7093, 54.9161 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 80.5586, 93.7093, 54.9161 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, 176) }
```


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

```
.border{ border-color:rgb(243, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5586, 93.7093, 54.9161 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, 176) }
```

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

```
.background{ background-color: rgb(243,  
255, 176) }
```

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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