

Converting Colors

XYZ(83.8600, 99.9054, 59.7162)

Have a look what the booklet for
XYZ(83.8600, 99.9054, 59.7162)
contains.

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Color

**XYZ(80.9252, 93.8161,
58.6429)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFB7
RGB	242, 255, 183
RGB Percent	95%, 100%, 72%
CMY	0.0510, 0.0000, 0.2823
CMYK	0.05, 0.00, 0.28, 0.00
HSL	71°, 100%, 86%
HSV	71°, 28%, 100%
XYZ	80.9252, 93.8161, 58.6429
YIQ	242.9050, 15.3640, -25.1480

Conversions

Conversions Part 2

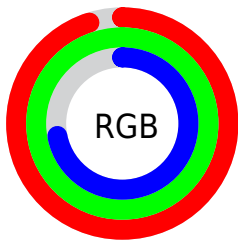
Format	Color
RYB	183, 255, 196
Decimal	15925175
CIELab	97.56, -15.58, 33.07
CIELCh	98, 36.551, 115.222
Yxy	93.8161, 0.3467, 0.4020
Android (android.graphics.Color)	4294115255 (0xFFFF2FFB7)
YUV	242.9050, -29.5332, -0.7937
Hunter-Lab	96.8587, -20.3665, 31.9041

Details

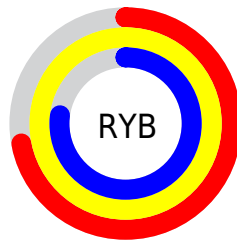
The XYZ color **80.9252, 93.8161, 58.6429** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.7495, 52.8240, 101.7601**, and the grayscale version is **85.3340, 89.7780, 97.7683**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **44.1641, 52.2874, 28.5337** is the 20% darker color. If you saturate the color by 10%, you get **76.9464, 92.0444, 45.8345**, and if you desaturate by 10%, it is **85.4256, 95.8012, 73.9882**.

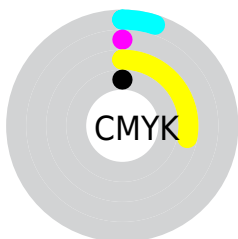
Distribution



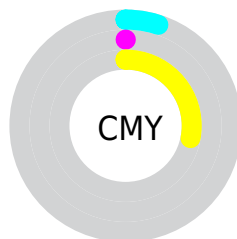
- Red (95%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (77%)



- Cyan (5%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9252, 93.8161, 58.6429 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 80.9252, 93.8161, 58.6429 by changing the saturation by 10% instead.


 80.9252, 93.8161,
58.6429

 80.9252, 93.8161,
58.6429


486.7346,
540.3679, 437.2423

 60.7911, 71.1500,
41.9076


 133.6094,
152.6280, 104.3825

 44.3085, 52.4646,
28.7039


166.8903,
189.5426, 134.2239

 31.1120, 37.3756,
18.6133


205.2840,
231.9754, 169.2710

 20.8364, 25.4984,
11.2172

249.1561,
280.3110, 209.9425

 13.1163, 16.4488,
6.0971

298.8719,
334.9336, 256.6568

 7.5862, 9.8423,
2.8345

354.7966,

 3.8809, 5.2945,

396.2277, 309.8325

1.0108

417.2957,
464.5777, 369.8881

■ 1.6350, 2.4211,
0.0000

■ 0.4150, 0.8367,
0.0000

■ 80.9252, 93.8161,
58.6429

■ 80.9252, 93.8161,
58.6429

■ 76.9464, 92.0444,
45.8345

■ 85.4256, 95.8012,
73.9882

■ 73.4615, 90.4747,
35.4222

■ 90.4706, 98.0087,
91.9930

■ 70.4424, 89.0959,
27.2576

95.0500, 100.0000,
108.9000

■ 67.8570, 87.8950,
21.1741

■ 65.6690, 86.8576,
16.9820

■ 63.8357, 85.9665,
14.4572

■ 62.2980, 85.1980,
13.2907

■ 62.0428, 85.0693,
13.1500

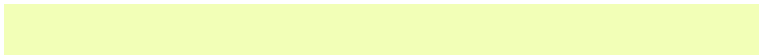
Harmonies

Analogous

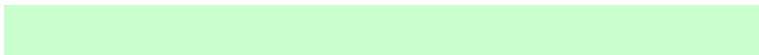
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8438, 93.8161, 55.0873



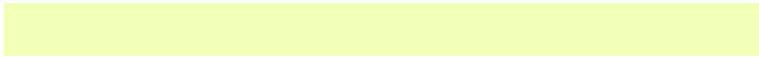
80.9252, 93.8161, 58.6429



73.7476, 93.8161, 72.8687

Triad

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



80.9252, 93.8161, 58.6429



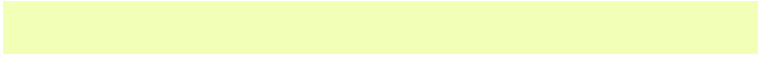
78.2534, 93.8161, 156.7134



110.5940, 93.8161, 106.9900

Complementary

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



80.9252, 93.8161, 58.6429



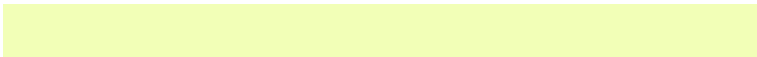
57.7495, 52.8240, 101.7601

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.



106.6039, 93.8161, 138.3807



80.9252, 93.8161, 58.6429



87.5157, 93.8161, 170.4245

Square

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



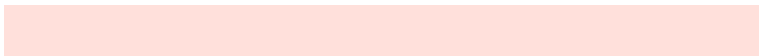
80.9252, 93.8161, 58.6429



72.2911, 93.8161, 128.5187



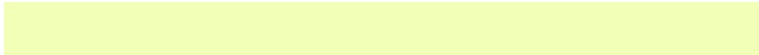
97.9553, 93.8161, 163.1386



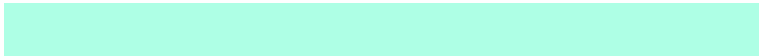
108.4893, 93.8161, 79.6594

Rectangle

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



80.9252, 93.8161, 58.6429



71.2153, 93.8161, 88.2405



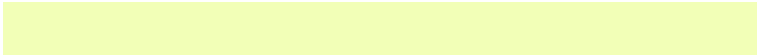
97.9553, 93.8161, 163.1386



109.9128, 93.8161, 117.4489

Sweetspot

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



80.9256, 93.8163, 58.6442



90.5955, 98.0632, 92.4478



69.3031, 63.7102, 53.4457



19.2206, 20.9152, 19.1683



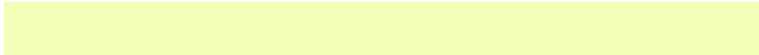
0.0000, 0.0000, 0.0000



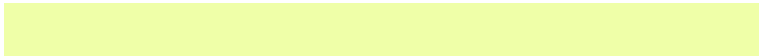
20.3446, 21.4041, 23.3091

Same Dimension

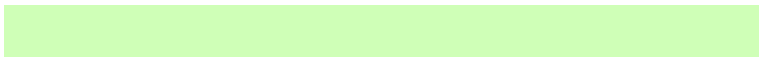
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9256, 93.8163, 58.6442



78.5694, 92.7693, 50.9577



70.0401, 88.2046, 58.1348



19.2206, 20.9152, 19.1683



32.5352, 44.5106, 6.8766



3.2479, 4.3751, 0.6733

Inverse Universe

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



57.7495, 52.8240, 101.7601



51.8642, 45.5208, 100.6606



67.9393, 58.0771, 102.2369



17.3088, 17.5354, 22.7224



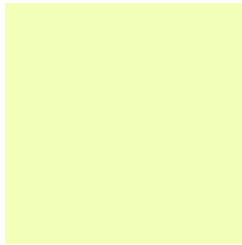
10.1088, 4.1218, 49.6974



1.0632, 0.4420, 4.8426

Previews

White Background



This preview shows how the XYZ color 80.9252, 93.8161, 58.6429 looks on a white background.

Color Contrast Check

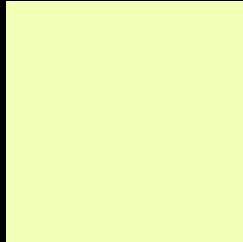
Large Text (above 18pt) WCAG AA × Fail

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 80.9252, 93.8161, 58.6429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

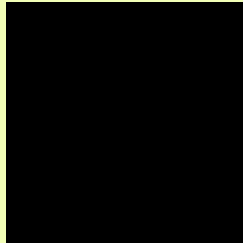
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

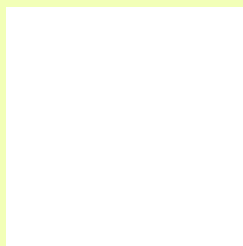
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9252, 93.8161, 58.6429

Background



This preview shows how black text looks on a background with the XYZ color 80.9252, 93.8161, 58.6429.

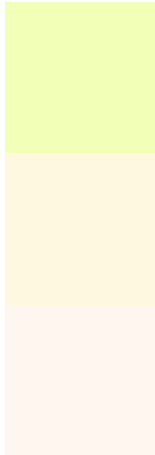


This preview shows how white text looks on a background with the XYZ color 80.9252, 93.8161,

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

80.9252, 93.8161, 58.6429

Protanopia

88.3980, 93.8310, 84.6863

Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

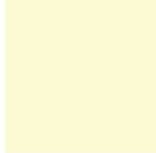
90.4301, 93.4555, 107.8803

Trichromacy



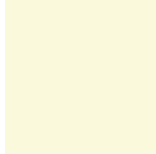
Original Color

80.9252, 93.8161, 58.6429



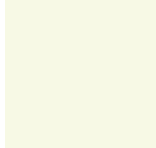
Protanomaly

85.5544, 93.9715, 74.6019



Deuteranomaly

86.0862, 93.1898, 80.4680



Tritanomaly

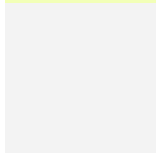
86.3763, 93.1827, 87.5623

Monochromacy



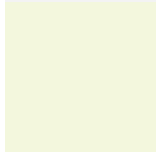
Original Color

80.9252, 93.8161, 58.6429



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2741, 90.7967, 81.5431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9252, 93.8161, 58.6429 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(242, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 183)  
}
```

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(242, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 80.9252, 93.8161, 58.6429 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(242, 255, 183) }
```


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

```
.border{ border-color:rgb(242, 255, 183) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9252, 93.8161, 58.6429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 183) }
```

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

```
.background{ background-color: rgb(242,  
255, 183) }
```

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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