

Converting Colors

XYZ(80.9546, 93.8242, 58.9634)

Have a look what the booklet for
XYZ(80.9546, 93.8242, 58.9634)
contains.

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Color

**XYZ(81.0297, 93.8579,
59.1931)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFB8
RGB	242, 255, 184
RGB Percent	95%, 100%, 72%
CMY	0.0510, 0.0000, 0.2784
CMYK	0.05, 0.00, 0.28, 0.00
HSL	71°, 100%, 86%
HSV	71°, 28%, 100%
XYZ	81.0297, 93.8579, 59.1931
YIQ	243.0190, 15.0430, -24.8370

Conversions

Conversions Part 2

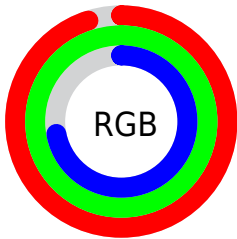
Format	Color
RYB	184, 255, 197
Decimal	15925176
CIELab	97.57, -15.44, 32.59
CIELCh	98, 36.063, 115.357
Yxy	93.8579, 0.3462, 0.4010
Android (android.graphics.Color)	4294115256 (0xFFFF2FFB8)
YUV	243.0190, -29.0964, -0.8937
Hunter-Lab	96.8803, -20.2449, 31.5905

Details

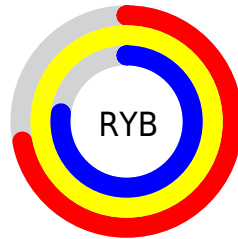
The XYZ color **81.0297, 93.8579, 59.1931** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **58.2174, 53.3726, 101.8413**, and the grayscale version is **85.4216, 89.8702, 97.8687**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **44.2309, 52.3142, 28.8855** is the 20% darker color. If you saturate the color by 10%, you get **77.0108, 92.0676, 46.2869**, and if you desaturate by 10%, it is **85.5723, 95.8625, 74.6415**.

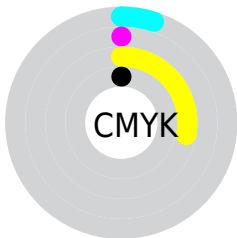
Distribution



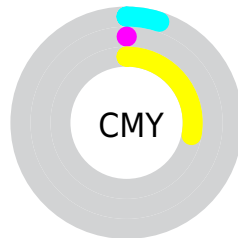
- Red (95%)
- Green (100%)
- Blue (72%)



- 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 81.0297, 93.8579, 59.1931 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 81.0297, 93.8579, 59.1931 by changing the saturation by 10% instead.


 81.0297, 93.8579,
59.1931

 81.0297, 93.8579,
59.1931


487.0801,
540.5022, 439.3389

 60.8774, 71.1848,
42.3475

 133.7554,
152.6858, 105.1901

 44.3784, 52.4930,
29.0459


167.0596,
189.6094, 135.1787

 31.1673, 37.3982,
18.8697


205.4784,
232.0519, 170.3854

 20.8787, 25.5159,
11.4003

249.3773,
280.3977, 211.2287

 13.1473, 16.4619,
6.2192

299.1215,
335.0312, 258.1271

 7.6078, 9.8516,
2.9079

355.0765,

 3.8947, 5.3007,

396.3369, 311.4993

1.0478

417.6076,
464.6991, 371.7637

■ 1.6427, 2.4247,
0.0000

■ 0.4200, 0.8386,
0.0000

■ 81.0297, 93.8579,
59.1931

■ 81.0297, 93.8579,
59.1931

■ 77.0108, 92.0676,
46.2869

■ 85.5723, 95.8625,
74.6415

■ 73.4880, 90.4804,
35.7824

■ 90.6615, 98.0905,
92.7541

■ 70.4333, 89.0851,
27.5318

95.0500, 100.0000,
108.9000

■ 67.8147, 87.8688,
21.3693

■ 65.5961, 86.8172,
17.1063

■ 63.7351, 85.9131,
14.5202

■ 62.1747, 85.1338,
13.3135

■ 61.8598, 84.9749,
13.1414

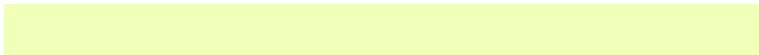
Harmonies

Analogous

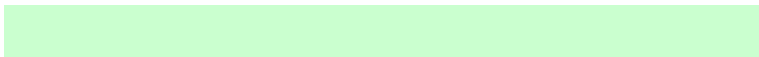
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8146, 93.8579, 55.6167



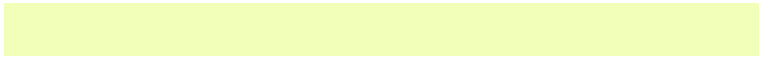
81.0297, 93.8579, 59.1931



73.9527, 93.8579, 73.3416

Triad

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



81.0297, 93.8579, 59.1931



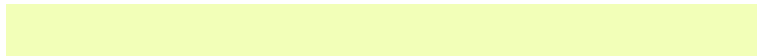
78.4647, 93.8579, 156.0405



110.3374, 93.8579, 106.8344

Complementary

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



81.0297, 93.8579, 59.1931



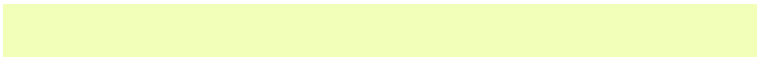
58.2174, 53.3726, 101.8413

Split Complementary

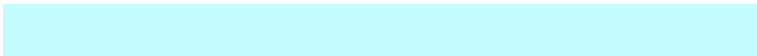
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.4316, 93.8579, 137.7694



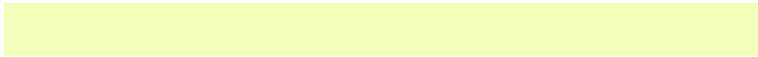
81.0297, 93.8579, 59.1931



87.6227, 93.8579, 169.4341

Square

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



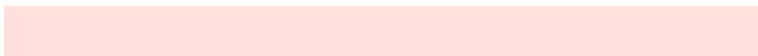
81.0297, 93.8579, 59.1931



72.5532, 93.8579, 128.3325



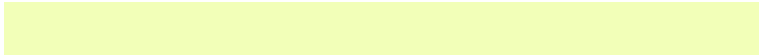
97.9212, 93.8579, 162.1799



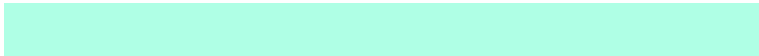
108.2369, 93.8579, 79.8722

Rectangle

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



81.0297, 93.8579, 59.1931



71.4618, 93.8579, 88.5760



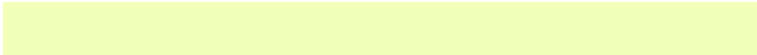
97.9212, 93.8579, 162.1799



109.6754, 93.8579, 117.1437

Sweetspot

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



81.0301, 93.8581, 59.1944



90.5768, 98.0535, 92.4469



69.5948, 64.1264, 54.0583



19.2159, 20.9127, 19.1681



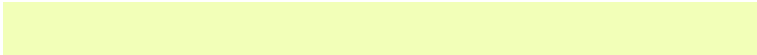
0.0000, 0.0000, 0.0000



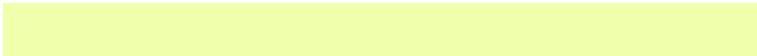
20.3446, 21.4041, 23.3091

Same Dimension

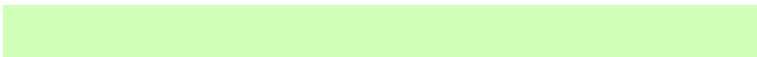
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0301, 93.8581, 59.1944



78.8933, 92.9086, 52.2282



70.3312, 88.3427, 58.6937



19.2159, 20.9127, 19.1681



32.4408, 44.4619, 6.8722



3.2395, 4.3708, 0.6729

Inverse Universe

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



58.2174, 53.3726, 101.8413



52.8969, 46.7606, 100.8455



68.2540, 58.5466, 102.3110



17.3132, 17.5377, 22.7226



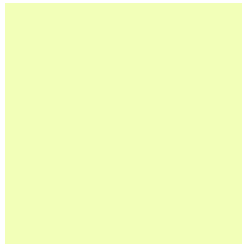
10.1252, 4.1302, 49.6981



1.0654, 0.4431, 4.8427

Previews

White Background



This preview shows how the XYZ color 81.0297, 93.8579, 59.1931 looks on a white background.

Color Contrast Check

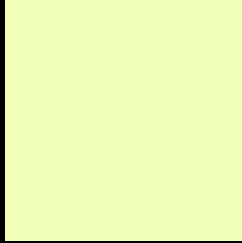
Large Text (above 18pt) WCAG AA × Fail

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 81.0297, 93.8579, 59.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

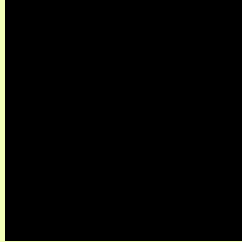
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

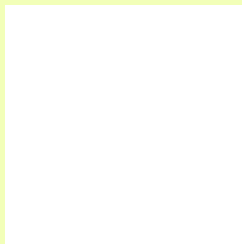
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.0297, 93.8579, 59.1931

Background



This preview shows how black text looks on a background with the XYZ color 81.0297, 93.8579, 59.1931.

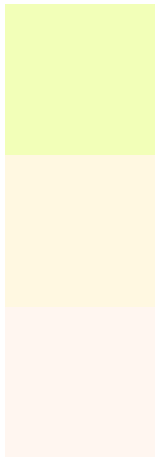


This preview shows how white text looks on a background with the XYZ color 81.0297, 93.8579,

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

81.0297, 93.8579, 59.1931

Protanopia

88.3980, 93.8310, 84.6863

Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

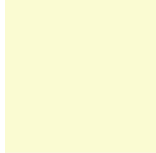
90.4301, 93.4555, 107.8803

Trichromacy



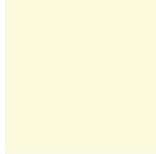
Original Color

81.0297, 93.8579, 59.1931



Protanomaly

85.5544, 93.9715, 74.6019



Deuteranomaly

86.2183, 93.2427, 81.1636



Tritanomaly

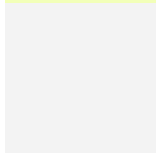
86.3763, 93.1827, 87.5623

Monochromacy



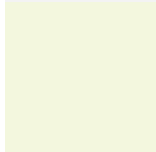
Original Color

81.0297, 93.8579, 59.1931



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.4077, 90.8501, 82.2470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0297, 93.8579, 59.1931 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 81.0297, 93.8579, 59.1931 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, 184) }
```


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

```
.border{ border-color:rgb(242, 255, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0297, 93.8579, 59.1931 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, 184) }
```

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

```
.background{ background-color: rgb(242,  
255, 184) }
```

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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