

Converting Colors

XYZ(81.8912, 94.5830, 46.5399)

Have a look what the booklet for
XYZ(81.8912, 94.5830, 46.5399)
contains.

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Color

**XYZ(81.8017, 94.5324,
46.7361)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFF9F
RGB	251, 255, 159
RGB Percent	98%, 100%, 62%
CMY	0.0157, 0.0000, 0.3765
CMYK	0.02, 0.00, 0.38, 0.00
HSL	62°, 100%, 81%
HSV	62°, 38%, 100%
XYZ	81.8017, 94.5324, 46.7361
YIQ	242.8600, 28.4320, -30.7040

Conversions

Conversions Part 2

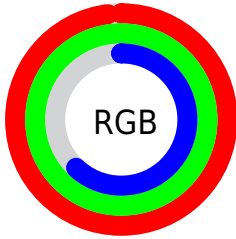
Format	Color
R_{YB}	159, 255, 163
Decimal	16514975
CIE _{Lab}	97.85, -15.11, 45.42
CIE _{LCh}	98, 47.868, 108.404
Yxy	94.5324, 0.3667, 0.4238
Android (android.graphics.Color)	4294705055 (0xFFFBFF9F)
YUV	242.8600, -41.3430, 7.1388
Hunter-Lab	97.2278, -19.9693, 39.5595

Details

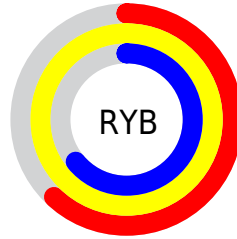
The XYZ color **81.8017, 94.5324, 46.7361** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.5535, 39.8041, 99.8898**, and the grayscale version is **85.3817, 89.8282, 97.8229**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **44.7879, 52.7662, 21.4600** is the 20% darker color. If you saturate the color by 10%, you get **79.4305, 93.5399, 36.2415**, and if you desaturate by 10%, it is **84.6321, 95.7090, 59.6374**.

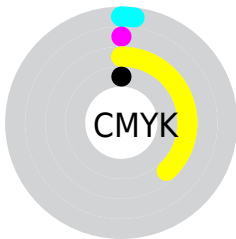
Distribution



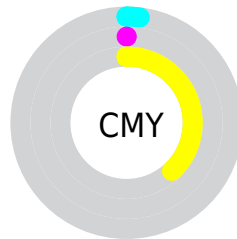
- Red (98%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8017, 94.5324, 46.7361 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 81.8017, 94.5324, 46.7361 by changing the saturation by 10% instead.


 81.8017, 94.5324,
46.7361


 81.8017, 94.5324,
46.7361


489.6287,
542.6669, 390.1234

 61.5156, 71.7459,
32.4742


 134.8332,
153.6184, 86.6654

 44.8956, 52.9511,
21.4562


 168.3093,
190.6867, 113.1700

 31.5761, 37.7637,
13.2634


206.9128,
233.2844, 144.5925

 21.1919, 25.7994,
7.4773

251.0090,
281.7958, 181.3515

 13.3776, 16.6736,
3.6794

300.9634,
336.6053, 223.8655

 7.7679, 10.0021,
1.4512

357.1412,

 3.9973, 5.4003,

398.0975, 272.5532

0.1812

419.9079,
466.6565, 327.8329

■ 1.7006, 2.4840,
0.0000

■ 0.4567, 0.8686,
0.0000

■ 81.8017, 94.5324,
46.7361

■ 81.8017, 94.5324,
46.7361

■ 79.4305, 93.5399,
36.2415

■ 84.6321, 95.7090,
59.6374

■ 77.4894, 92.7196,
28.0007

■ 87.9468, 97.0794,
75.0776

■ 75.9472, 92.0591,
21.8497

■ 91.7699, 98.6535,
93.1840

■ 74.7683, 91.5442,
17.6004

95.0500, 100.0000,
108.9000

■ 73.9106, 91.1580,
15.0311

■ 73.3184, 90.8783,
13.8494

■ 73.1985, 90.8203,
13.6721

Harmonies

Analogous

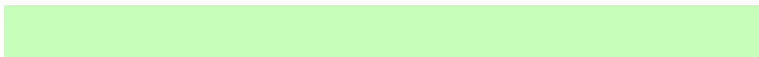
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2396, 94.5324, 45.3819



81.8017, 94.5324, 46.7361



71.5860, 94.5324, 60.5947

Triad

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



81.8017, 94.5324, 46.7361



73.5006, 94.5324, 170.1404



118.1470, 94.5324, 118.8199

Complementary

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



81.8017, 94.5324, 46.7361



45.5535, 39.8041, 99.8898

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.



110.9834, 94.5324, 161.4515



81.8017, 94.5324, 46.7361



84.6680, 94.5324, 195.7217

Square

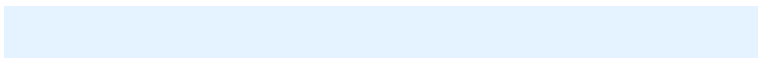
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8017, 94.5324, 46.7361



67.1392, 94.5324, 128.5823



98.4101, 94.5324, 192.1904



117.1796, 94.5324, 80.9382

Rectangle

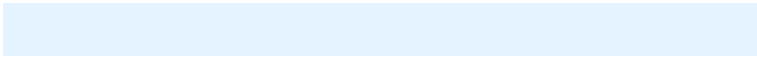
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8017, 94.5324, 46.7361



67.5525, 94.5324, 77.6273



98.4101, 94.5324, 192.1904



116.5828, 94.5324, 133.2074

Sweetspot

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



81.8020, 94.5326, 46.7374



90.4295, 98.1023, 86.8064



60.4543, 49.6755, 39.2042



19.2433, 20.9517, 18.0471



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

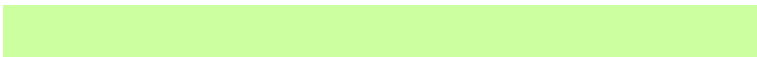
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8020, 94.5326, 46.7374



80.0149, 93.7853, 38.7928



66.8657, 86.8326, 46.0384



19.4820, 21.0499, 19.1806



38.2808, 47.4726, 7.1455



3.7496, 4.6337, 0.6968

Inverse Universe

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



45.5535, 39.8041, 99.8898



39.1472, 32.0719, 98.7350



57.0843, 45.7485, 100.4294



17.0730, 17.4138, 22.7113



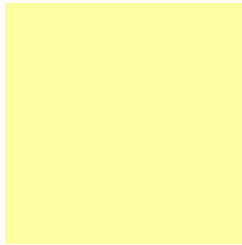
9.5313, 3.8240, 49.6703



0.9516, 0.3845, 4.8373

Previews

White Background



This preview shows how the XYZ color 81.8017, 94.5324, 46.7361 looks on a white background.

Color Contrast Check

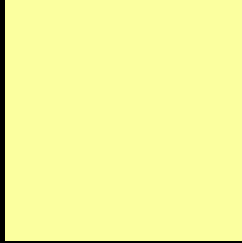
Large Text (above 18pt) WCAG AA × Fail

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 81.8017, 94.5324, 46.7361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

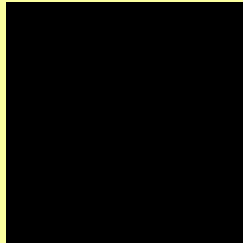
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8017, 94.5324, 46.7361

Background



This preview shows how black text looks on a background with the XYZ color 81.8017, 94.5324, 46.7361.



This preview shows how white text looks on a background with the XYZ color 81.8017, 94.5324,

Color Blindness Simulation

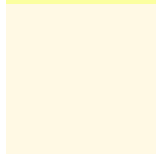
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



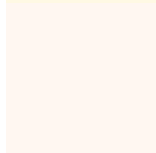
Original Color

81.8017, 94.5324, 46.7361



Protanopia

89.1193, 94.6128, 86.9638



Deuteranopia

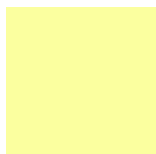
90.3779, 94.1324, 96.6250



Tritanopia

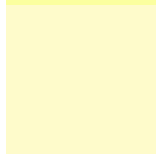
92.0852, 94.3273, 107.1195

Trichromacy



Original Color

81.8017, 94.5324, 46.7361



Protanomaly

86.1497, 94.3770, 70.1759



Deuteranomaly

86.8165, 94.1452, 75.2241



Tritanomaly

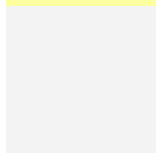
87.5349, 93.9367, 80.5358

Monochromacy



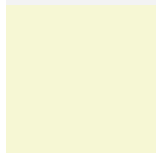
Original Color

81.8017, 94.5324, 46.7361



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.1505, 90.8678, 75.4441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8017, 94.5324, 46.7361 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(251, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 159)  
}
```

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(251, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 81.8017, 94.5324, 46.7361 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(251, 255, 159) }
```


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

```
.border{ border-color:rgb(251, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8017, 94.5324, 46.7361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 159) }
```

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

```
.background{ background-color: rgb(251,  
255, 159) }
```

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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