

Converting Colors

XYZ(95.0553, 100.0000,
42.0512)

Have a look what the booklet for
XYZ(95.0553, 100.0000, 42.0512)
contains.

XYZ(81.3169, 92.9874, 41.2663)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.3169, 92.9874,
41.2663)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC93
RGB	255, 252, 147
RGB Percent	100%, 99%, 58%
CMY	0.0000, 0.0117, 0.4235
CMYK	0.00, 0.01, 0.42, 0.00
HSL	58°, 100%, 79%
HSV	58°, 42%, 100%
XYZ	81.3169, 92.9874, 41.2663
YIQ	240.9270, 35.4930, -32.0190

Conversions

Conversions Part 2

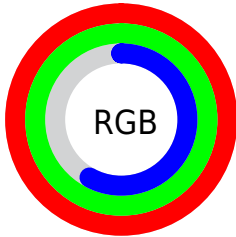
Format	Color
R _Y B	150, 255, 147
Decimal	16776339
CIE Lab	97.22, -13.37, 50.48
CIE LCh	97, 52.215, 104.832
Yxy	92.9874, 0.3772, 0.4314
Android (android.graphics.Color)	4294966419 (0xFFFFFC93)
YUV	240.9270, -46.3060, 12.3420
Hunter-Lab	96.4300, -18.2280, 42.1284

Details

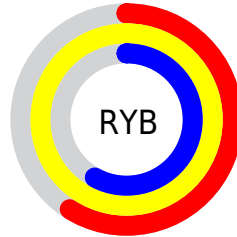
The XYZ color **81.3169, 92.9874, 41.2663** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9889, 35.2349, 99.2483**, and the grayscale version is **83.8871, 88.2558, 96.1105**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **44.7863, 52.1583, 18.2968** is the 20% darker color. If you saturate the color by 10%, you get **79.3130, 91.8347, 31.7970**, and if you desaturate by 10%, it is **83.7697, 94.3277, 53.0754**.

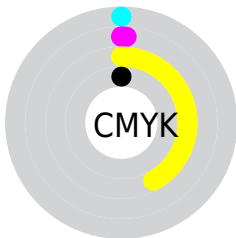
Distribution



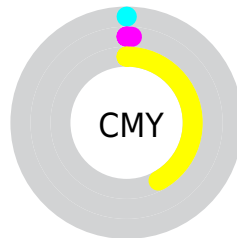
- Red (100%)
- Green (99%)
- Blue (58%)



- Red (59%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.3169, 92.9874, 41.2663 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 81.3169, 92.9874, 41.2663 by changing the saturation by 10% instead.

 81.3169, 92.9874,
41.2663


 81.3169, 92.9874,
41.2663

488.0291,
537.7016, 367.1419

 61.1148, 70.4610,
28.2060


 134.1565,
151.4812, 78.3460

 44.5707, 51.9025,
18.2406


 167.5247,
188.2174, 103.2025

 31.3193, 36.9273,
10.9516


206.0123,
230.4589, 132.8281

 20.9951, 25.1512,
5.9206

249.9847,
278.5903, 167.6414

 13.2329, 16.1898,
2.7288

299.8072,
332.9959, 208.0609

 7.6672, 9.6585,
0.9579

355.8452,

 3.9327, 5.1732,

394.0600, 254.5051

0.0000

418.4640,
462.1671, 307.3926

■ 1.6642, 2.3492,
0.0000

■ 0.4337, 0.7996,
0.0000

■ 81.3169, 92.9874,
41.2663

■ 81.3169, 92.9874,
41.2663

■ 79.3130, 91.8347,
31.7970

■ 83.7697, 94.3277,
53.0754

■ 77.7216, 90.8450,
24.5055

■ 86.6914, 95.8535,
67.3604

■ 76.5117, 90.0092,
19.2189

■ 90.1093, 97.5791,
84.2535

■ 75.6449, 89.3119,
15.7349

■ 94.0463, 99.5137,
103.8763

■ 75.0748, 88.7347, 95.0500, 100.0000,
13.8095 108.9000

■ 74.7866, 88.3531,
13.1122

Harmonies

Analogous

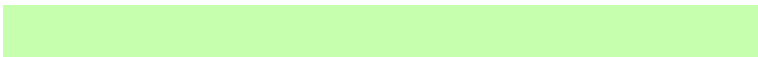
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0142, 92.9874, 41.3342



81.3169, 92.9874, 41.2663



69.8518, 92.9874, 53.8684

Triad

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



81.3169, 92.9874, 41.2663



69.7513, 92.9874, 170.0091



118.6868, 92.9874, 124.0280

Complementary

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



81.3169, 92.9874, 41.2663



40.9889, 35.2349, 99.2483

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.



109.9291, 92.9874, 170.4857



81.3169, 92.9874, 41.2663



81.1649, 92.9874, 201.6486

Square

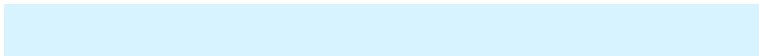
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3169, 92.9874, 41.2663



63.6969, 92.9874, 123.5016



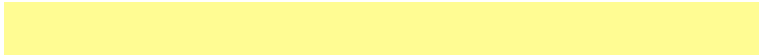
95.8444, 92.9874, 201.8440



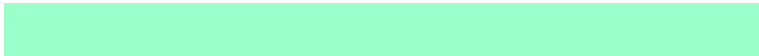
118.7392, 92.9874, 81.8414

Rectangle

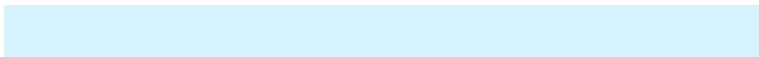
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3169, 92.9874, 41.2663



65.1124, 92.9874, 70.4771



95.8444, 92.9874, 201.8440



116.6237, 92.9874, 139.8786

Sweetspot

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



81.3192, 92.9917, 41.2682



89.8723, 97.4611, 83.0770



57.2279, 44.3499, 34.6535



19.0671, 20.7760, 16.9427



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

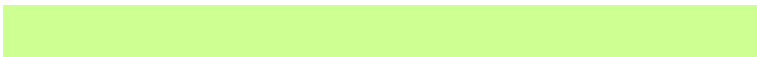
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3192, 92.9917, 41.2682



79.5593, 91.9811, 32.9462



66.0937, 86.5492, 40.8272



19.5155, 20.9992, 19.1690



39.0970, 46.2052, 6.8579



3.8198, 4.5250, 0.6721

Inverse Universe

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



40.9889, 35.2349, 99.2483



34.2918, 27.1596, 98.0427



51.6155, 40.0130, 99.6105



17.0434, 17.4583, 22.7215



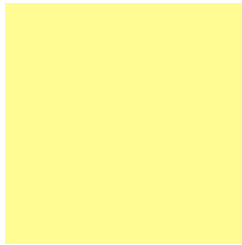
9.4890, 3.8877, 49.6849



0.9375, 0.4057, 4.8422

Previews

White Background



This preview shows how the XYZ color 81.3169, 92.9874, 41.2663 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 81.3169, 92.9874, 41.2663 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 81.3169, 92.9874, 41.2663

Background



This preview shows how black text looks on a background with the XYZ color 81.3169, 92.9874, 41.2663.



This preview shows how white text looks on a background with the XYZ color 81.3169, 92.9874,

41.2663.

Color Blindness Simulation

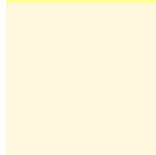
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



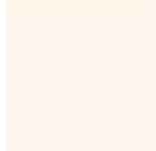
Original Color

81.3169, 92.9874, 41.2663



Protanopia

87.2869, 92.8960, 80.3480



Deuteranopia

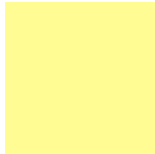
89.0327, 92.6209, 92.5420



Tritanopia

91.0033, 92.9264, 104.4070

Trichromacy



Original Color

81.3169, 92.9874, 41.2663



Protanomaly

84.7413, 92.8616, 63.9098



Deuteranomaly

85.7065, 92.7544, 70.5129



Tritanomaly

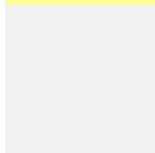
86.5110, 92.5856, 76.2620

Monochromacy



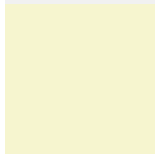
Original Color

81.3169, 92.9874, 41.2663



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.9209, 89.4026, 71.9702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3169, 92.9874, 41.2663 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(255, 252, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 147)  
}
```

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(255, 252, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 147) }
```

Border

The CSS property to change the border of an element to XYZ 81.3169, 92.9874, 41.2663 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(255, 252, 147) }
```


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

```
.border{ border-color:rgb(255, 252, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3169, 92.9874, 41.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 147) }
```

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

```
.background{ background-color: rgb(255,  
252, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor