

Converting Colors

XYZ(81.1214, 94.2795, 42.2857)

Have a look what the booklet for
XYZ(81.1214, 94.2795, 42.2857)
contains.

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Color

**XYZ(80.9685, 94.1992,
42.3485)**

Conversions

Conversions Part 1

Format	Color
Hex	FBFF95
RGB	251, 255, 149
RGB Percent	98%, 100%, 58%
CMY	0.0157, 0.0000, 0.4157
CMYK	0.02, 0.00, 0.42, 0.00
HSL	62°, 100%, 79%
HSV	62°, 42%, 100%
XYZ	80.9685, 94.1992, 42.3485
YIQ	241.7200, 31.6420, -33.8140

Conversions

Conversions Part 2

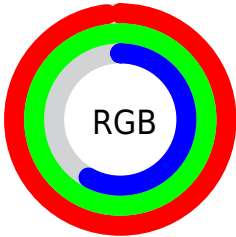
Format	Color
RYB	149, 255, 153
Decimal	16514965
CIELab	97.71, -16.16, 50.07
CIELCh	98, 52.608, 107.885
Yxy	94.1992, 0.3722, 0.4331
Android (android.graphics.Color)	4294705045 (0xFFFFBFF95)
YUV	241.7200, -45.7110, 8.1386
Hunter-Lab	97.0563, -20.9361, 42.0694

Details

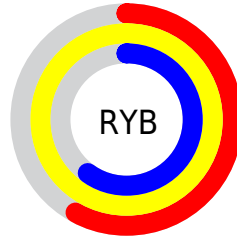
The XYZ color **80.9685, 94.1992, 42.3485** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9353, 35.4884, 99.2475**, and the grayscale version is **84.5081, 88.9091, 96.8220**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **44.2977, 52.5702, 18.8786** is the 20% darker color. If you saturate the color by 10%, you get **78.8045, 93.2936, 32.7584**, and if you desaturate by 10%, it is **83.5803, 95.2840, 54.2884**.

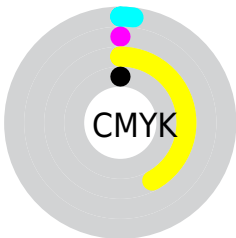
Distribution



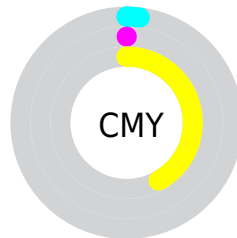
- Red (98%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9685, 94.1992, 42.3485 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 80.9685, 94.1992, 42.3485 by changing the saturation by 10% instead.


 80.9685, 94.1992,
42.3485

 80.9685, 94.1992,
42.3485


486.8777,
541.5981, 371.7678

 60.8269, 71.4686,
29.0467


 133.6699,
153.1578, 80.0026

 44.3375, 52.7247,
18.8702


 166.9604,
190.1546, 105.1919

 31.1349, 37.5831,
11.4007


205.3646,
232.6757, 135.1808

 20.8540, 25.6593,
6.2195

249.2478,
281.1054, 170.3878

 13.1291, 16.5689,
2.9081

298.9753,
335.8281, 211.2314

 7.5951, 9.9276,
1.0479

354.9126,

 3.8866, 5.3510,

397.2282, 258.1303

0.0000

417.4249,
465.6900, 311.5029

■ 1.6382, 2.4546,
0.0000

■ 0.4171, 0.8538,
0.0000

■ 80.9685, 94.1992,
42.3485

■ 80.9685, 94.1992,
42.3485

■ 78.8045, 93.2936,
32.7584

■ 83.5803, 95.2840,
54.2884

■ 77.0585, 92.5555,
25.3596

■ 86.6662, 96.5588,
68.7153

■ 75.6976, 91.9716,
19.9799

■ 90.2510, 98.0332,
85.7600

■ 74.6841, 91.5268,
16.4198

■ 94.3576, 99.7166,
105.5433

■ 73.9722, 91.2029,
14.4393

95.0500, 100.0000,
108.9000

■ 73.5478, 91.0003,
13.6884

Harmonies

Analogous

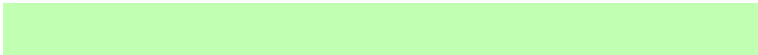
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7216, 94.1992, 41.1670



80.9685, 94.1992, 42.3485



69.8053, 94.1992, 56.5625

Triad

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



80.9685, 94.1992, 42.3485



71.5579, 94.1992, 176.8139



120.7825, 94.1992, 120.8900

Complementary

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



80.9685, 94.1992, 42.3485



41.9353, 35.4884, 99.2475

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.



112.6671, 94.1992, 168.4992



80.9685, 94.1992, 42.3485



83.6181, 94.1992, 206.3250

Square

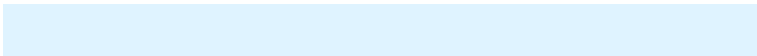
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9685, 94.1992, 42.3485



64.8042, 94.1992, 130.0700



98.6822, 94.1992, 202.9164



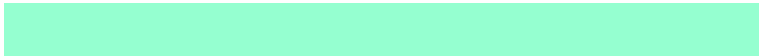
119.8679, 94.1992, 79.2428

Rectangle

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



80.9685, 94.1992, 42.3485



65.3927, 94.1992, 74.5175



98.6822, 94.1992, 202.9164



118.9859, 94.1992, 136.8964

Sweetspot

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



80.9687, 94.1992, 42.3498



90.0853, 97.9652, 84.9669



57.9805, 46.0609, 34.2697



19.1761, 20.9251, 17.6804



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

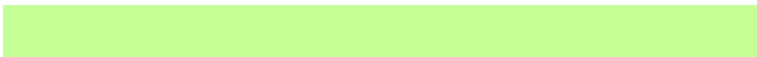
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9687, 94.1992, 42.3498



79.1153, 93.4242, 34.1128



64.5974, 85.7595, 41.5836



19.4895, 21.0538, 19.1809



38.4604, 47.5651, 7.1539



3.7651, 4.6417, 0.6975

Inverse Universe

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



41.9353, 35.4884, 99.2475



35.2686, 27.4589, 98.0490



54.1225, 41.7711, 99.8178



17.0664, 17.4104, 22.7110



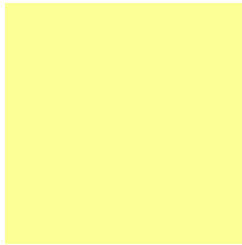
9.5219, 3.8192, 49.6699



0.9484, 0.3828, 4.8372

Previews

White Background



This preview shows how the XYZ color 80.9685, 94.1992, 42.3485 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 80.9685, 94.1992, 42.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

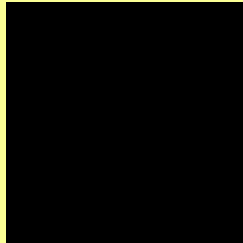
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9685, 94.1992, 42.3485

Background



This preview shows how black text looks on a background with the XYZ color 80.9685, 94.1992, 42.3485.

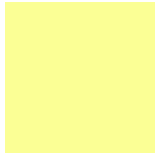


This preview shows how white text looks on a background with the XYZ color 80.9685, 94.1992,

Color Blindness Simulation

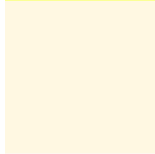
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



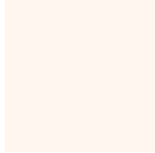
Original Color

80.9685, 94.1992, 42.3485



Protanopia

88.5349, 93.8858, 85.4070



Deuteranopia

90.0808, 94.0135, 95.0600



Tritanopia

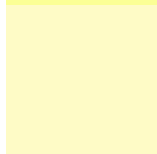
92.0852, 94.3273, 107.1195

Trichromacy



Original Color

80.9685, 94.1992, 42.3485



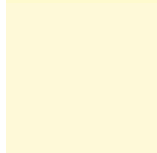
Protanomaly

85.5633, 94.1424, 67.0877



Deuteranomaly

86.1992, 93.8983, 71.9735



Tritanomaly

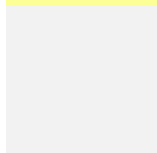
87.1434, 93.7801, 78.4742

Monochromacy



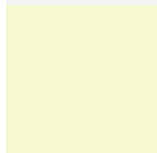
Original Color

80.9685, 94.1992, 42.3485



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.3021, 90.4881, 72.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9685, 94.1992, 42.3485 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 80.9685, 94.1992, 42.3485 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, 149) }
```


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

```
.border{ border-color:rgb(251, 255, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9685, 94.1992, 42.3485 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, 149) }
```

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

```
.background{ background-color: rgb(251,  
255, 149) }
```

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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