

# Converting Colors

XYZ(82.0012, 94.7805, 40.1858)

Have a look what the booklet for  
XYZ(82.0012, 94.7805, 40.1858)  
contains.

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# Color

**XYZ(82.0340, 94.7936,  
40.3589)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFFF90                      |
| RGB         | 255, 255, 144               |
| RGB Percent | 100%, 100%, 56%             |
| CMY         | 0.0000, 0.0000, 0.4353      |
| CMYK        | 0.00, 0.00, 0.44, 0.00      |
| HSL         | 60°, 100%, 78%              |
| HSV         | 60°, 44%, 100%              |
| XYZ         | 82.0340, 94.7936, 40.3589   |
| YIQ         | 242.3460, 35.6310, -34.5210 |

# Conversions

## Conversions Part 2

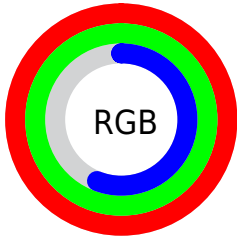
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 144, 255, 144                  |
| Decimal                             | 16777104                       |
| CIE <sub>Lab</sub>                  | 97.95, -15.11, 52.80           |
| CIE <sub>LCh</sub>                  | 98, 54.921, 105.974            |
| Yxy                                 | 94.7936, 0.3777,<br>0.4365     |
| Android<br>(android.graphics.Color) | 4294967184<br>(0xFFFFFFFF90)   |
| YUV                                 | 242.3460, -48.4846,<br>11.0976 |
| Hunter-Lab                          | 97.3620, -19.9853,<br>43.5763  |

# Details

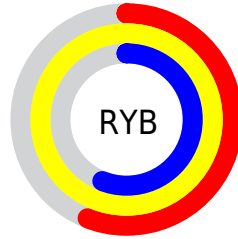
The XYZ color **82.0340, 94.7936, 40.3589** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.5259, 33.0971, 98.9129**, and the grayscale version is **85.0236, 89.4515, 97.4127**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **44.8474, 52.8793, 17.7405** is the 20% darker color. If you saturate the color by 10%, you get **80.2999, 94.0999, 31.2276**, and if you desaturate by 10%, it is **84.2087, 95.6635, 51.8109**.

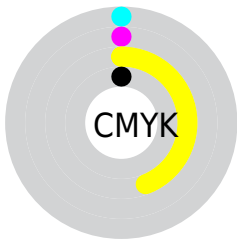
# Distribution



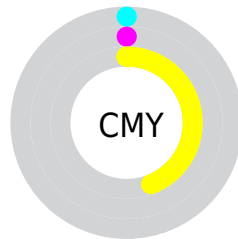
- Red (100%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0340, 94.7936, 40.3589 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 82.0340, 94.7936, 40.3589 by changing the saturation by 10% instead.





 82.0340, 94.7936,  
40.3589


 82.0340, 94.7936,  
40.3589


490.3942,  
543.5040, 363.2309

 61.7078, 71.9632,  
27.5026


 135.1573,  
153.9794, 76.9528

 45.0513, 53.1286,  
17.7153


 168.6850,  
191.1036, 101.5274

 31.6993, 37.9055,  
10.5784


207.3439,  
233.7612, 130.8452

 21.2864, 25.9093,  
5.6735

251.4994,  
282.3366, 165.3248

 13.4471, 16.7558,  
2.5821

301.5168,  
337.2142, 205.3846

 7.8163, 10.0605,  
0.8832

357.7615,

 4.0284, 5.4391,

398.7784, 251.4432

0.0000

420.5989,  
467.4135, 303.9191

■ 1.7182, 2.5071,  
0.0000

■ 0.4676, 0.8802,  
0.0000

■ 82.0340, 94.7936,  
40.3589

■ 82.0340, 94.7936,  
40.3589

■ 80.2999, 94.0999,  
31.2276

■ 84.2087, 95.6635,  
51.8109

■ 78.9757, 93.5703,  
24.2551

■ 86.8506, 96.7202,  
65.7230

■ 78.0281, 93.1912,  
19.2649

■ 89.9850, 97.9740,  
82.2282

■ 77.4177, 92.9471,  
16.0510

■ 93.6350, 99.4340,  
101.4489

■ 77.0971, 92.8188, 95.0500, 100.0000,  
14.3625 108.9000

■ 76.9997, 92.7799,  
13.8500

# Harmonies

## Analogous

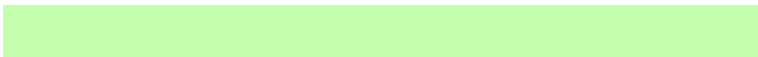
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.6236, 94.7936, 39.9528



82.0340, 94.7936, 40.3589



70.0671, 94.7936, 53.9879

# Triad

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



82.0340, 94.7936, 40.3589



70.6836, 94.7936, 178.8002



122.7172, 94.7936, 125.6453

# Complementary

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



82.0340, 94.7936, 40.3589



39.5259, 33.0971, 98.9129

# 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.



113.6243, 94.7936, 175.8142



82.0340, 94.7936, 40.3589



82.9703, 94.7936, 212.0266

# Square

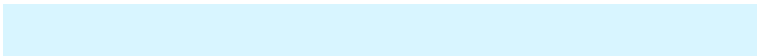
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0340, 94.7936, 40.3589



64.0535, 94.7936, 128.9154



98.6749, 94.7936, 210.7977



122.3906, 94.7936, 81.1782

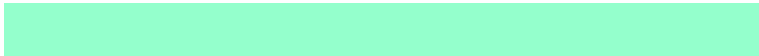


# Rectangle

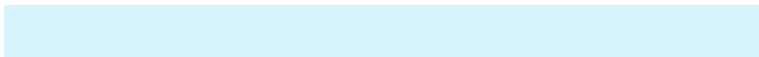
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0340, 94.7936, 40.3589



65.2166, 94.7936, 71.8312



98.6749, 94.7936, 210.7977



120.6190, 94.7936, 142.6191

# Sweetspot

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



82.0342, 94.7937, 40.3602



90.1647, 98.0459, 83.1744



56.2480, 43.2212, 31.7647



19.1403, 20.9224, 16.9671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

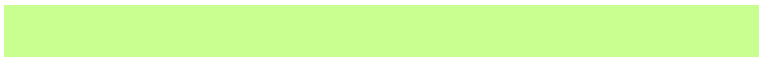
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0342, 94.7937, 40.3602



80.5376, 94.1950, 32.4792



64.4808, 85.7446, 39.5387



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046



# Inverse Universe

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



39.5259, 33.0971, 98.9129



33.1416, 25.4044, 97.7645



51.7102, 39.3783, 99.4831



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

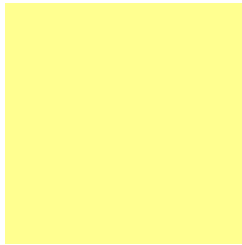


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 82.0340, 94.7936, 40.3589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

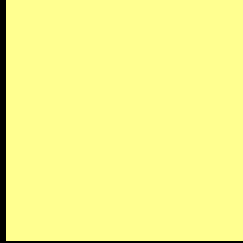
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0340, 94.7936, 40.3589 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 82.0340, 94.7936, 40.3589**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.0340, 94.7936, 40.3589.



This preview shows how white text looks on a background with the XYZ color 82.0340, 94.7936,



# Color Blindness Simulation

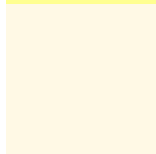
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



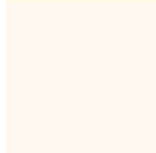
### Original Color

82.0340, 94.7936, 40.3589



### Protanopia

89.2585, 94.6685, 87.6972



### Deuteranopia

90.6846, 94.7457, 96.7272



## Tritanopia

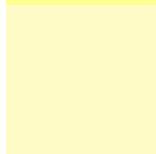
92.2304, 94.8734, 106.3798

# Trichromacy



## Original Color

82.0340, 94.7936, 40.3589



## Protanomaly

85.9302, 94.3316, 67.1049



## Deuteranomaly

86.8778, 94.7106, 72.0945



## Tritanomaly

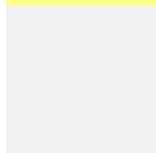
87.4358, 94.4353, 76.5703

# Monochromacy



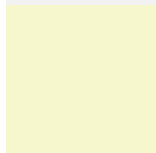
## Original Color

82.0340, 94.7936, 40.3589



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.7591, 90.7519, 71.5475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0340, 94.7936, 40.3589 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, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 144)  
}
```

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, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0340, 94.7936, 40.3589 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, 255, 144) }
```



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

```
.border{ border-color:rgb(255, 255, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 144); box-shadow:4px 4px 4px 4px rgb(255, 255, 144) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0340, 94.7936, 40.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 144) }
```

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

```
.background{ background-color: rgb(255,  
255, 144) }
```

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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