

Converting Colors

XYZ(159.5988, 186.6335,
49.8552)

Have a look what the booklet for
XYZ(159.5988, 186.6335, 49.8552)
contains.

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Color

**XYZ(81.2336, 94.4735,
36.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF85
RGB	255, 255, 133
RGB Percent	100%, 100%, 52%
CMY	0.0000, 0.0000, 0.4784
CMYK	0.00, 0.00, 0.48, 0.00
HSL	60°, 100%, 76%
HSV	60°, 48%, 100%
XYZ	81.2336, 94.4735, 36.1440
YIQ	241.0920, 39.1620, -37.9420

Conversions

Conversions Part 2

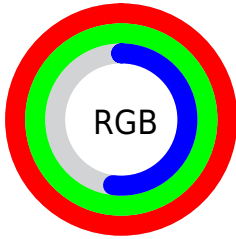
Format	Color
R_{YB}	133, 255, 133
Decimal	16777093
CIE _{Lab}	97.82, -16.11, 57.77
CIE _{LCh}	98, 59.971, 105.587
Yxy	94.4735, 0.3834, 0.4459
Android (android.graphics.Color)	4294967173 (0xFFFFFFFF85)
YUV	241.0920, -53.2894, 12.1973
Hunter-Lab	97.1975, -20.9127, 45.9906

Details

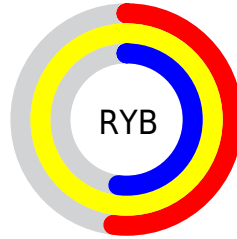
The XYZ color **81.2336, 94.4735, 36.1440** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.1115, 28.9828, 98.2987**, and the grayscale version is **84.0654, 88.4433, 96.3148**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **44.3703, 52.6884, 15.2285** is the 20% darker color. If you saturate the color by 10%, you get **79.6802, 93.8520, 27.9648**, and if you desaturate by 10%, it is **83.2148, 95.2659, 46.5776**.

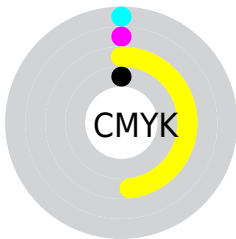
Distribution



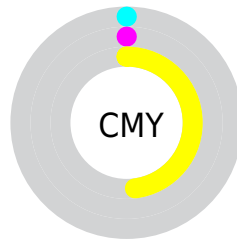
- Red (100%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2336, 94.4735, 36.1440 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 81.2336, 94.4735, 36.1440 by changing the saturation by 10% instead.


 81.2336, 94.4735,
36.1440

 81.2336, 94.4735,
36.1440


487.7539,
542.4781, 344.6459


 61.0460, 71.6968,
24.2549


 134.0402,
153.5370, 70.4258

 44.5149, 52.9111,
15.3088


 167.3898,
190.5927, 93.6556

 31.2752, 37.7318,
8.8874


 205.8575,
233.1768, 121.5026

 20.9613, 25.7746,
4.5720

249.8086,
281.6738, 154.3855

 13.2080, 16.6551,
1.9441

299.6084,
336.4680, 192.7227

 7.6499, 9.9889,
0.5206

355.6223,

 3.9217, 5.3916,

397.9438, 236.9328

0.0000

418.2157,
466.4857, 287.4344

■ 1.6579, 2.4788,
0.0000

■ 0.4297, 0.8660,
0.0000

■ 81.2336, 94.4735,
36.1440

■ 81.2336, 94.4735,
36.1440

■ 79.6802, 93.8520,
27.9648

■ 83.2148, 95.2659,
46.5776

■ 78.5228, 93.3891,
21.8706

■ 85.6520, 96.2408,
59.4112

■ 77.7259, 93.0703,
17.6740

■ 88.5710, 97.4084,
74.7823

■ 77.2470, 92.8788,
15.1526

■ 91.9958, 98.7783,
92.8172

■ 77.0298, 92.7919, 95.0500, 100.0000,
14.0088 108.9000

■ 76.9996, 92.7798,
13.8500

Harmonies

Analogous

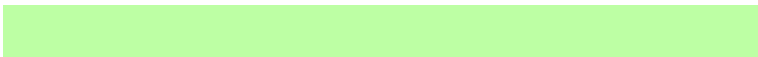
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.2421, 94.4735, 35.8954



81.2336, 94.4735, 36.1440



68.2670, 94.4735, 49.9773

Triad

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



81.2336, 94.4735, 36.1440



68.6654, 94.4735, 186.0033



125.6108, 94.4735, 128.1689

Complementary

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



81.2336, 94.4735, 36.1440



36.1115, 28.9828, 98.2987

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.



115.4290, 94.4735, 183.9815



81.2336, 94.4735, 36.1440



81.8451, 94.4735, 223.9018

Square

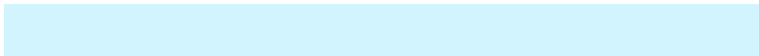
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2336, 94.4735, 36.1440



61.6648, 94.4735, 130.3435



98.9361, 94.4735, 223.0624



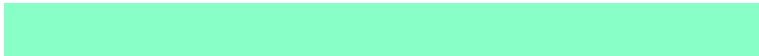
125.3924, 94.4735, 79.5492

Rectangle

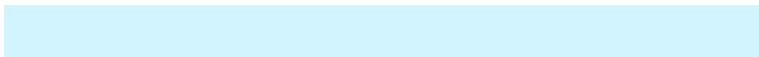
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2336, 94.4735, 36.1440



63.0236, 94.4735, 68.6047



98.9361, 94.4735, 223.0624



123.2398, 94.4735, 146.9720

Sweetspot

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



81.2337, 94.4734, 36.1452



89.8257, 97.9103, 81.3893



53.8618, 39.7295, 27.0212



19.0736, 20.8957, 16.6160



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

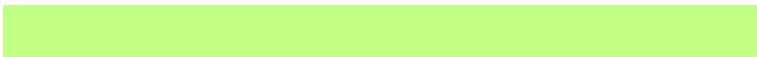
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2337, 94.4734, 36.1452



79.7952, 93.8981, 28.5706



62.2424, 84.6831, 35.2565



19.5613, 21.0908, 19.1843



40.2340, 48.4794, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



36.1115, 28.9828, 98.2987



29.9753, 21.5891, 97.1950



48.6865, 35.4655, 98.8872



17.0031, 17.3778, 22.7080



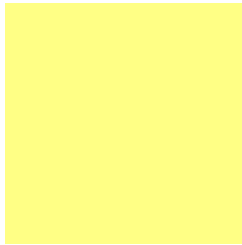
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 81.2336, 94.4735, 36.1440 looks on a white background.

Color Contrast Check

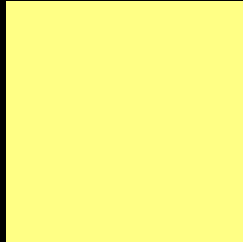
Large Text (above 18pt) WCAG AA × Fail

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 81.2336, 94.4735, 36.1440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

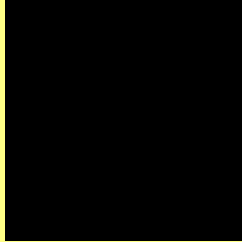
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.2336, 94.4735, 36.1440

Background



This preview shows how black text looks on a background with the XYZ color 81.2336, 94.4735, 36.1440.



This preview shows how white text looks on a background with the XYZ color 81.2336, 94.4735,

Color Blindness Simulation

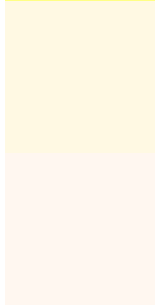
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

81.2336, 94.4735, 36.1440



Protanopia

88.9808, 94.5574, 86.2347

Deuteranopia

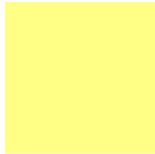
90.2289, 94.0728, 95.8404



Tritanopia

91.7665, 94.1998, 105.4412

Trichromacy



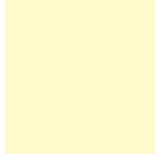
Original Color

81.2336, 94.4735, 36.1440



Protanomaly

85.3628, 94.1046, 64.1170



Deuteranomaly

85.9682, 93.8483, 68.8419



Tritanomaly

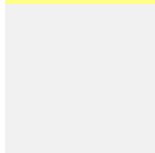
86.6243, 93.6148, 73.8255

Monochromacy



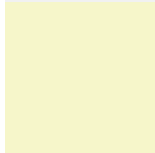
Original Color

81.2336, 94.4735, 36.1440



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6225, 89.7686, 68.9022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2336, 94.4735, 36.1440 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 81.2336, 94.4735, 36.1440 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, 133) }
```


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

```
.border{ border-color:rgb(255, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2336, 94.4735, 36.1440 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, 133) }
```

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

```
.background{ background-color: rgb(255,  
255, 133) }
```

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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