

Converting Colors

XYZ(80.3277, 93.6480, 52.2963)

Have a look what the booklet for
XYZ(80.3277, 93.6480, 52.2963)
contains.

XYZ(80.4189, 93.6934, 52.3742)	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(80.4189, 93.6934,
52.3742)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FFAB
RGB	244, 255, 171
RGB Percent	96%, 100%, 67%
CMY	0.0431, 0.0000, 0.3294
CMYK	0.04, 0.00, 0.33, 0.00
HSL	68°, 100%, 84%
HSV	68°, 33%, 100%
XYZ	80.4189, 93.6934, 52.3742
YIQ	242.1350, 20.4080, -28.4560

Conversions

Conversions Part 2

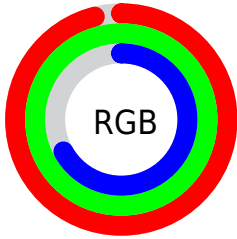
Format	Color
RYB	171, 255, 182
Decimal	16056235
CIELab	97.51, -16.35, 39.00
CIELCh	98, 42.289, 112.748
Yxy	93.6934, 0.3551, 0.4137
Android (android.graphics.Color)	4294246315 (0xFFFF4FFAB)
YUV	242.1350, -35.0696, 1.6356
Hunter-Lab	96.7954, -21.0916, 35.6760

Details

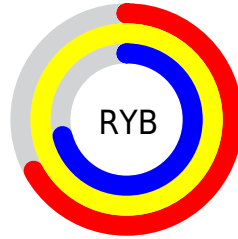
The XYZ color **80.4189, 93.6934, 52.3742** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.9054, 46.2922, 100.8073**, and the grayscale version is **84.7617, 89.1759, 97.1126**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **43.9576, 52.2610, 24.9101** is the 20% darker color. If you saturate the color by 10%, you get **77.0696, 92.2210, 40.7302**, and if you desaturate by 10%, it is **84.2587, 95.3644, 66.4913**.

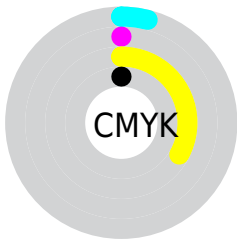
Distribution



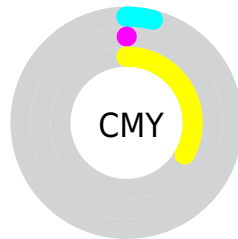
- Red (96%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4189, 93.6934, 52.3742 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 80.4189, 93.6934, 52.3742 by changing the saturation by 10% instead.


 80.4189, 93.6934,
52.3742

 80.4189, 93.6934,
52.3742


485.0585,
539.9735, 412.8775

 60.3728, 71.0480,
36.9191


 132.9020,
152.4582, 95.1151

 43.9698, 52.3813,
24.8496


166.0696,
189.3465, 123.2379

 30.8446, 37.3091,
15.7470


204.3418,
231.7510, 156.4205

 20.6318, 25.4469,
9.1929

248.0839,
280.0564, 195.0813

 12.9660, 16.4103,
4.7687

297.6613,
334.6469, 239.6389

 7.4820, 9.8150,
2.0558

353.4393,

 3.8143, 5.2765,

395.9071, 290.5117

0.5893

415.7832,
464.2211, 348.1184

■ 1.5976, 2.4104,
0.0000

■ 0.3909, 0.8312,
0.0000

■ 80.4189, 93.6934,
52.3742

■ 80.4189, 93.6934,
52.3742

■ 77.0696, 92.2210,
40.7302

■ 84.2587, 95.3644,
66.4913

■ 74.1828, 90.9360,
31.4127

■ 88.6132, 97.2437,
83.2086

■ 71.7288, 89.8266,
24.2661

■ 93.5059, 99.3407,
102.6493

■ 69.6740, 88.8792,
19.1138

95.0500, 100.0000,
108.9000

■ 67.9797, 88.0784,
15.7521

■ 66.5985, 87.4052,
13.9332

■ 65.7638, 86.9875,
13.3242

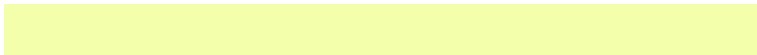
Harmonies

Analogous

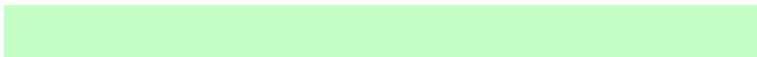
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9996, 93.6934, 49.4706



80.4189, 93.6934, 52.3742



71.9080, 93.6934, 66.9927

Triad

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



80.4189, 93.6934, 52.3742



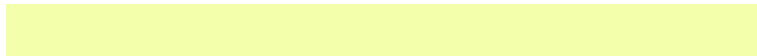
75.7935, 93.6934, 164.2293



113.9797, 93.6934, 110.5942

Complementary

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



80.4189, 93.6934, 52.3742



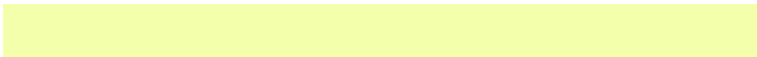
51.9054, 46.2922, 100.8073

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.



108.7267, 93.6934, 147.5120



80.4189, 93.6934, 52.3742



86.1695, 93.6934, 182.6867

Square

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



80.4189, 93.6934, 52.3742



69.4098, 93.6934, 129.7842



98.2835, 93.6934, 175.9651



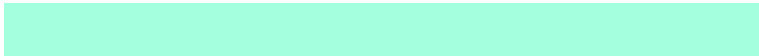
112.0906, 93.6934, 78.5214

Rectangle

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



80.4189, 93.6934, 52.3742



68.7704, 93.6934, 83.6330



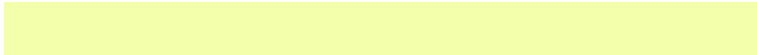
98.2835, 93.6934, 175.9651



112.9758, 93.6934, 122.9132

Sweetspot

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



80.4192, 93.6935, 52.3755



89.9949, 97.8373, 88.6365



65.0746, 57.1678, 46.1341



19.1200, 20.8800, 18.4102



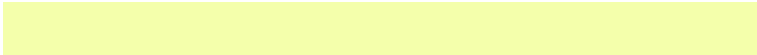
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

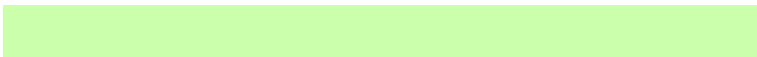
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4192, 93.6935, 52.3755



78.0052, 92.6340, 43.9058



67.7945, 87.1852, 51.7847



19.3134, 20.9630, 19.1727



34.4542, 45.4999, 6.9664



3.4170, 4.4623, 0.6812

Inverse Universe

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



51.9054, 46.2922, 100.8073



45.2422, 38.1481, 99.5865



62.9836, 52.0032, 101.3258



17.2241, 17.4917, 22.7184



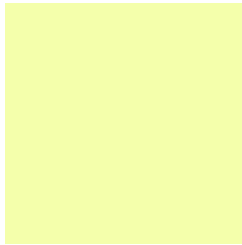
9.8335, 3.9799, 49.6845



1.0228, 0.4212, 4.8407

Previews

White Background



This preview shows how the XYZ color 80.4189, 93.6934, 52.3742 looks on a white background.

Color Contrast Check

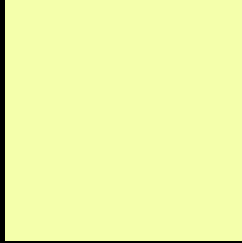
Large Text (above 18pt) WCAG AA × Fail

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 80.4189, 93.6934, 52.3742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

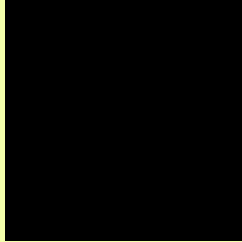
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.4189, 93.6934, 52.3742

Background



This preview shows how black text looks on a background with the XYZ color 80.4189, 93.6934, 52.3742.



This preview shows how white text looks on a background with the XYZ color 80.4189, 93.6934,

Color Blindness Simulation

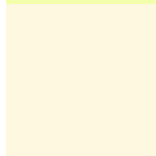
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



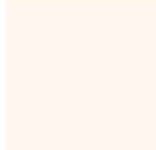
Original Color

80.4189, 93.6934, 52.3742



Protanopia

88.2619, 93.7766, 83.9698



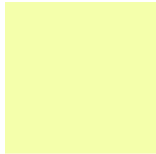
Deuteranopia

89.7758, 93.4035, 94.9583

Tritanopia

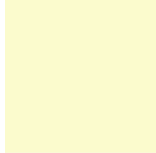
90.7894, 93.6408, 107.8971

Trichromacy



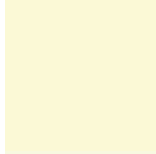
Original Color

80.4189, 93.6934, 52.3742



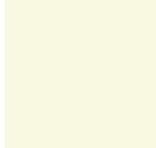
Protanomaly

85.3003, 93.9114, 71.3885



Deuteranomaly

85.7969, 93.1156, 77.0695



Tritanomaly

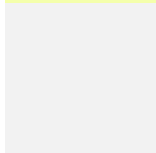
86.0416, 93.0896, 83.9542

Monochromacy



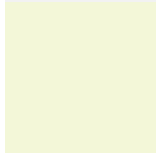
Original Color

80.4189, 93.6934, 52.3742



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.6176, 90.5341, 78.0862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4189, 93.6934, 52.3742 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(244, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 171)  
}
```

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(244, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 80.4189, 93.6934, 52.3742 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(244, 255, 171) }
```


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

```
.border{ border-color:rgb(244, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4189, 93.6934, 52.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 171) }
```

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

```
.background{ background-color: rgb(244,  
255, 171) }
```

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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