

Converting Colors

XYZ(80.9812, 93.9775, 52.6619)

Have a look what the booklet for
XYZ(80.9812, 93.9775, 52.6619)
contains.

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Color

**XYZ(80.8626, 93.9110,
52.8945)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFAC
RGB	245, 255, 172
RGB Percent	96%, 100%, 67%
CMY	0.0392, 0.0000, 0.3255
CMYK	0.04, 0.00, 0.33, 0.00
HSL	67°, 100%, 84%
HSV	67°, 33%, 100%
XYZ	80.8626, 93.9110, 52.8945
YIQ	242.5480, 20.6830, -27.9330

Conversions

Conversions Part 2

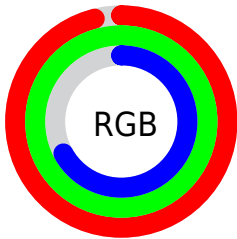
Format	Color
RYB	172, 255, 182
Decimal	16121772
CIELab	97.60, -15.86, 38.63
CIELCh	98, 41.763, 112.322
Yxy	93.9110, 0.3552, 0.4125
Android (android.graphics.Color)	4294311852 (0xFFFF5FFAC)
YUV	242.5480, -34.7802, 2.1504
Hunter-Lab	96.9077, -20.6429, 35.4735

Details

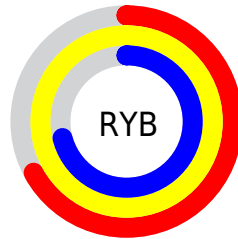
The XYZ color **80.8626, 93.9110, 52.8945** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **52.0950, 46.6714, 100.8705**, and the grayscale version is **85.0873, 89.5185, 97.4857**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **44.2629, 52.4114, 25.2363** is the 20% darker color. If you saturate the color by 10%, you get **77.5808, 92.4755, 41.1602**, and if you desaturate by 10%, it is **84.6329, 95.5440, 67.1070**.

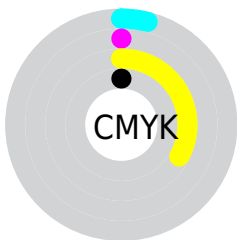
Distribution



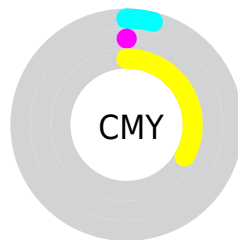
- Red (96%)
- Green (100%)
- Blue (67%)



- 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 80.8626, 93.9110, 52.8945 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 80.8626, 93.9110, 52.8945 by changing the saturation by 10% instead.


 80.8626, 93.9110,
52.8945

 80.8626, 93.9110,
52.8945


486.5275,
540.6728, 414.9350

 60.7393, 71.2289,
37.3314


 133.5220,
152.7592, 95.8891

 44.2666, 52.5290,
25.1664


166.7888,
189.6942, 124.1577

 31.0790, 37.4269,
15.9809

205.1676,
232.1489, 157.4985

 20.8111, 25.5382,
9.3564

249.0236,
280.5078, 196.3301

 13.0977, 16.4785,
4.8744

298.7223,
335.1553, 241.0710

 7.5733, 9.8634,
2.1163

354.6289,

 3.8726, 5.3085,

396.4756, 292.1397

0.6255

417.1088,
464.8533, 349.9549

■ 1.6303, 2.4294,
0.0000

■ 0.4121, 0.8409,
0.0000

■ 80.8626, 93.9110,
52.8945

■ 80.8626, 93.9110,
52.8945

■ 77.5808, 92.4755,
41.1602

■ 84.6329, 95.5440,
67.1070

■ 74.7593, 91.2262,
31.7582

■ 88.9155, 97.3840,
83.9246

■ 72.3687, 90.1512,
24.5334

■ 93.7340, 99.4404,
103.4700

■ 70.3756, 89.2373,
19.3101

■ 95.0500, 100.0000,
108.9000

■ 68.7415, 88.4690,
15.8859

■ 67.4196, 87.8275,
14.0152

■ 66.5864, 87.4116,
13.3627

Harmonies

Analogous

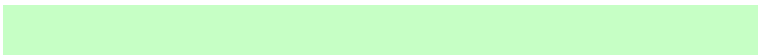
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.3458, 93.9110, 50.1620



80.8626, 93.9110, 52.8945



72.3756, 93.9110, 67.2569

Triad

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



80.8626, 93.9110, 52.8945



76.0147, 93.9110, 163.2526



113.8619, 93.9110, 111.2432

Complementary

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



80.8626, 93.9110, 52.8945



52.0950, 46.6714, 100.8705

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.



108.5842, 93.9110, 147.6708



80.8626, 93.9110, 52.8945



86.2429, 93.9110, 181.7422

Square

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



80.8626, 93.9110, 52.8945



69.7546, 93.9110, 129.1641



98.2186, 93.9110, 175.4833



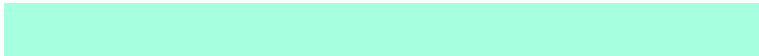
112.0987, 93.9110, 79.3664

Rectangle

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



80.8626, 93.9110, 52.8945



69.2188, 93.9110, 83.6487



98.2186, 93.9110, 175.4833



112.8373, 93.9110, 123.4298

Sweetspot

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



80.8630, 93.9112, 52.8958



90.0915, 97.8871, 88.6411



65.3503, 57.5660, 46.6981



19.1435, 20.8921, 18.4113



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

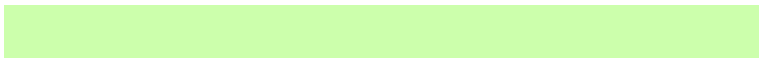
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8630, 93.9112, 52.8958



78.6911, 92.9630, 45.0493



68.0587, 87.3104, 52.2966



19.3331, 20.9732, 19.1736



34.8781, 45.7184, 6.9863



3.4541, 4.4814, 0.6829

Inverse Universe

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



52.0950, 46.6714, 100.8705



45.9121, 39.1197, 99.7388



63.2913, 52.4433, 101.3945



17.2063, 17.4825, 22.7176



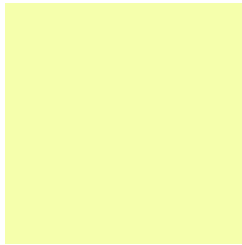
9.7858, 3.9553, 49.6823



1.0145, 0.4169, 4.8403

Previews

White Background



This preview shows how the XYZ color 80.8626, 93.9110, 52.8945 looks on a white background.

Color Contrast Check

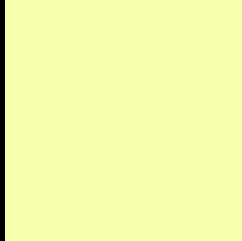
Large Text (above 18pt) WCAG AA × Fail

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 80.8626, 93.9110, 52.8945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

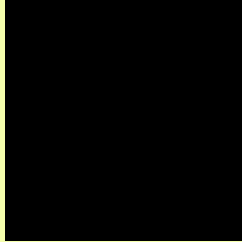
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8626, 93.9110, 52.8945

Background



This preview shows how black text looks on a background with the XYZ color 80.8626, 93.9110, 52.8945.



This preview shows how white text looks on a background with the XYZ color 80.8626, 93.9110,

Color Blindness Simulation

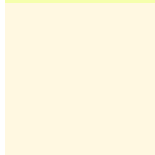
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



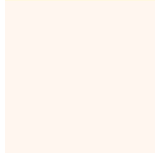
Original Color

80.8626, 93.9110, 52.8945



Protanopia

88.3980, 93.8310, 84.6863



Deuteranopia

89.7758, 93.4035, 94.9583



Tritanopia

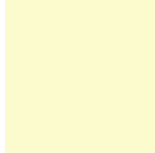
91.1507, 93.8270, 107.9140

Trichromacy



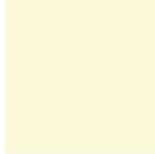
Original Color

80.8626, 93.9110, 52.8945



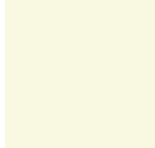
Protanomaly

85.4214, 93.9598, 72.0264



Deuteranomaly

85.9251, 93.1669, 77.7443



Tritanomaly

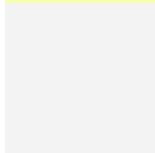
86.5332, 93.3273, 84.6874

Monochromacy



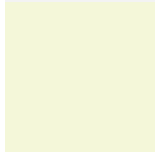
Original Color

80.8626, 93.9110, 52.8945



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.0934, 90.7644, 78.7854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8626, 93.9110, 52.8945 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(245, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 172)  
}
```

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(245, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 80.8626, 93.9110, 52.8945 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(245, 255, 172) }
```


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

```
.border{ border-color:rgb(245, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8626, 93.9110, 52.8945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 172) }
```

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

```
.background{ background-color: rgb(245,  
255, 172) }
```

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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