

Converting Colors

XYZ(80.7262, 93.4436, 52.8339)

Have a look what the booklet for
XYZ(80.7262, 93.4436, 52.8339)
contains.

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Color

**XYZ(80.5444, 93.2747,
52.7884)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FEAC
RGB	245, 254, 172
RGB Percent	96%, 100%, 67%
CMY	0.0392, 0.0039, 0.3255
CMYK	0.04, 0.00, 0.32, 0.00
HSL	67°, 98%, 84%
HSV	67°, 32%, 100%
XYZ	80.5444, 93.2747, 52.7884
YIQ	241.9610, 20.9580, -27.4100

Conversions

Conversions Part 2

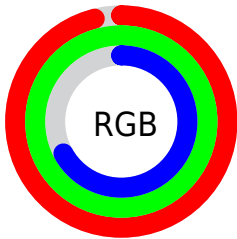
Format	Color
RYB	172, 254, 181
Decimal	16121516
CIELab	97.34, -15.38, 38.30
CIELCh	97, 41.267, 111.876
Yxy	93.2747, 0.3554, 0.4116
Android (android.graphics.Color)	4294311596 (0xFFFF5FEAC)
YUV	241.9610, -34.4908, 2.6652
Hunter-Lab	96.5788, -20.1483, 35.1982

Details

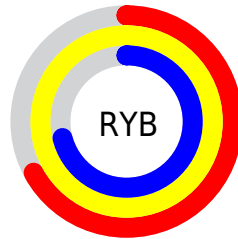
The XYZ color **80.5444, 93.2747, 52.7884** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.7016, 46.4870, 100.0193**, and the grayscale version is **84.6221, 89.0290, 96.9526**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **44.0351, 51.9558, 25.1603** is the 20% darker color. If you saturate the color by 10%, you get **77.3694, 91.8963, 41.1002**, and if you desaturate by 10%, it is **84.2051, 94.8555, 66.9367**.

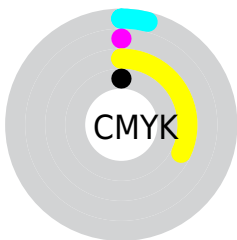
Distribution



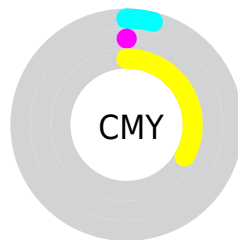
- Red (96%)
- Green (100%)
- Blue (67%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5444, 93.2747, 52.7884 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 80.5444, 93.2747, 52.7884 by changing the saturation by 10% instead.


 80.5444, 93.2747,
52.7884

 80.5444, 93.2747,
52.7884


485.4742,
538.6267, 414.5160

 60.4764, 70.6998,
37.2473


 133.0774,
151.8789, 95.7313

 44.0537, 52.0973,
25.1017


166.2731,
188.6770, 123.9702

 30.9108, 37.0826,
15.9332


204.5755,
230.9850, 157.2788

 20.6824, 25.2715,
9.3230


248.3498,
279.1872, 196.0756

 13.0032, 16.2794,
4.8528

297.9615,
333.6681, 240.7792

 7.5078, 9.7221,
2.1039

353.7759,

 3.8308, 5.2151,

394.8121, 291.8081

0.6181

416.1584,
463.0035, 349.5809

■ 1.6068, 2.3740,
0.0000

■ 0.3969, 0.8125,
0.0000

■ 80.5444, 93.2747,
52.7884

■ 80.5444, 93.2747,
52.7884

■ 77.3694, 91.8963,
41.1002

■ 84.2051, 94.8555,
66.9367

■ 74.6463, 90.6972,
31.7260

■ 88.3691, 96.6361,
83.6685

■ 72.3480, 89.6697,
24.5131

■ 93.0615, 98.6297,
103.1059

■ 70.4417, 88.8006,
19.2883

94.7339, 99.3677,
108.7946

■ 68.8892, 88.0747,
15.8518

■ 67.6447, 87.4737,
13.9621

■ 66.8423, 87.0742,
13.2840

Harmonies

Analogous

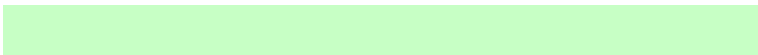
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8675, 93.2747, 50.2523



80.5444, 93.2747, 52.7884



72.1294, 93.2747, 66.7918

Triad

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



80.5444, 93.2747, 52.7884



75.4957, 93.2747, 161.0516



112.8075, 93.2747, 110.9264

Complementary

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



80.5444, 93.2747, 52.7884



51.7016, 46.4870, 100.0193

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.



107.5292, 93.2747, 146.6862



80.5444, 93.2747, 52.7884



85.5179, 93.2747, 179.5010

Square

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



80.5444, 93.2747, 52.7884



69.3978, 93.2747, 127.4705



97.2922, 93.2747, 173.7346



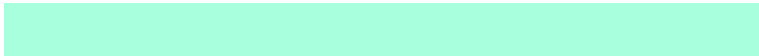
111.1804, 93.2747, 79.4230

Rectangle

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



80.5444, 93.2747, 52.7884



68.9713, 93.2747, 82.8316



97.2922, 93.2747, 173.7346



111.7666, 93.2747, 122.9185

Sweetspot

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



80.5467, 93.2789, 52.7904



90.1899, 97.9378, 88.6457



64.6843, 56.7752, 46.5805



19.1675, 20.9045, 18.4124



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

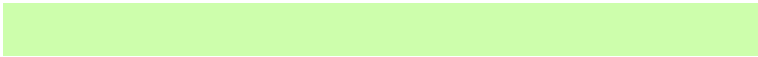
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5467, 93.2789, 52.7904



79.0579, 93.1521, 45.0664



68.0133, 86.8177, 52.2038



19.3531, 20.9835, 19.1745



35.3161, 45.9442, 7.0068



3.4924, 4.5011, 0.6847

Inverse Universe

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



51.7016, 46.4870, 100.0193



45.6882, 39.0043, 99.7283



62.5247, 52.0665, 100.5258



17.1882, 17.4732, 22.7167



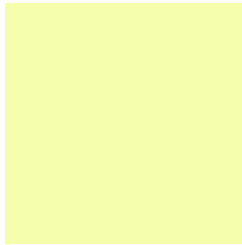
9.7409, 3.9321, 49.6802



1.0060, 0.4125, 4.8399

Previews

White Background



This preview shows how the XYZ color 80.5444, 93.2747, 52.7884 looks on a white background.

Color Contrast Check

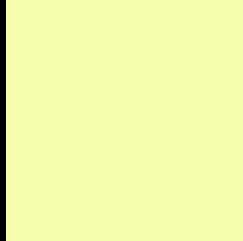
Large Text (above 18pt) WCAG AA × Fail

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 80.5444, 93.2747, 52.7884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

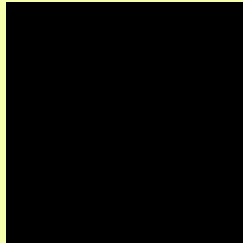
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5444, 93.2747, 52.7884

Background



This preview shows how black text looks on a background with the XYZ color 80.5444, 93.2747, 52.7884.

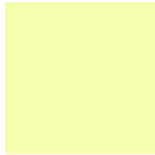


This preview shows how white text looks on a background with the XYZ color 80.5444, 93.2747,

Color Blindness Simulation

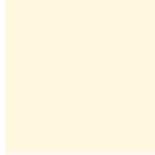
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



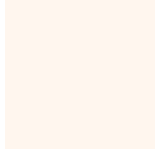
Original Color

80.5444, 93.2747, 52.7884



Protanopia

87.6856, 93.0555, 82.4472



Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

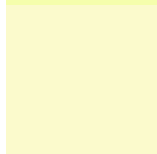
90.8473, 93.2203, 107.8129

Trichromacy



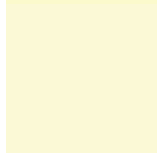
Original Color

80.5444, 93.2747, 52.7884



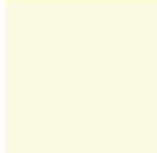
Protanomaly

84.8684, 93.2401, 70.6508



Deuteranomaly

85.7969, 93.1156, 77.0695



Tritanomaly

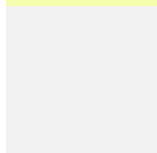
86.2249, 92.7108, 84.5846

Monochromacy



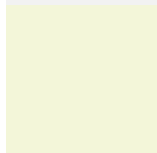
Original Color

80.5444, 93.2747, 52.7884



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.4423, 89.9760, 78.6676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5444, 93.2747, 52.7884 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, 254, 172)` looks like.

```
.text, #text, p{  
    color:rgb(245, 254, 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, 254, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 254, 172) }
```

Border

The CSS property to change the border of an element to XYZ 80.5444, 93.2747, 52.7884 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, 254, 172) }
```


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

```
.border{ border-color:rgb(245, 254, 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, 254, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 254, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 254, 172);  
box-shadow:4px 4px 4px 4px rgb(245, 254,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5444, 93.2747, 52.7884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 254, 172) }
```

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

```
.background{ background-color: rgb(245,  
254, 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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