

Converting Colors

XYZ(84.0213, 93.7719, 53.0021)

Have a look what the booklet for
XYZ(84.0213, 93.7719, 53.0021)
contains.

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Color

**XYZ(83.2800, 93.2715,
53.1490)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFBAD
RGB	255, 251, 173
RGB Percent	100%, 98%, 68%
CMY	0.0000, 0.0157, 0.3216
CMYK	0.00, 0.02, 0.32, 0.00
HSL	57°, 100%, 84%
HSV	57°, 32%, 100%
XYZ	83.2800, 93.2715, 53.1490
YIQ	243.3040, 27.4220, -23.4100

Conversions

Conversions Part 2

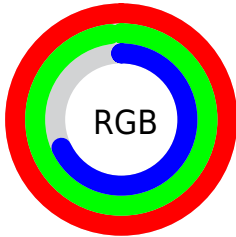
Format	Color
RYB	177, 255, 173
Decimal	16776109
CIELab	97.34, -10.07, 37.94
CIELCh	97, 39.251, 104.871
Yxy	93.2715, 0.3626, 0.4061
Android (android.graphics.Color)	4294966189 (0xFFFFFBAD)
YUV	243.3040, -34.6599, 10.2574
Hunter-Lab	96.5772, -15.0867, 34.9751

Details

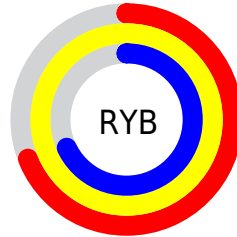
The XYZ color **83.2800, 93.2715, 53.1490** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **51.0054, 47.5471, 101.0970**, and the grayscale version is **85.6877, 90.1502, 98.1735**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **45.9312, 52.2566, 25.4350** is the 20% darker color. If you saturate the color by 10%, you get **80.6585, 91.6075, 41.2418**, and if you desaturate by 10%, it is **86.3796, 95.1374, 67.5411**.

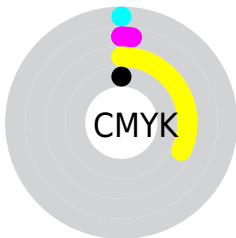
Distribution



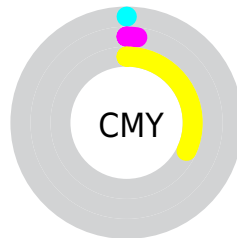
- Red (100%)
- Green (98%)
- Blue (68%)



- Red (69%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (2%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2800, 93.2715, 53.1490 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 83.2800, 93.2715, 53.1490 by changing the saturation by 10% instead.


 83.2800, 93.2715,
53.1490

 83.2800, 93.2715,
53.1490


494.4890,
538.6164, 415.9390

 62.7389, 70.6972,
37.5332


 136.8940,
151.8744, 96.2674

 45.8878, 52.0951,
25.3216


170.6977,
188.6719, 124.6070

 32.3616, 37.0809,
16.0956

209.6528,
230.9791, 158.0249

 21.7947, 25.2701,
9.4367

254.1248,
279.1806, 196.9398

 13.8219, 16.2784,
4.9264

304.4791,
333.6606, 241.7701

 8.0778, 9.7214,
2.1462

361.0810,

 4.1970, 5.2146,

394.8037, 292.9344

0.6431

424.2959,
462.9942, 350.8512

■ 1.8142, 2.3737,
0.0000

■ 0.5262, 0.8123,
0.0000

■ 83.2800, 93.2715,
53.1490

■ 83.2800, 93.2715,
53.1490

■ 80.6585, 91.6075,
41.2418

■ 86.3796, 95.1374,
67.5411

■ 78.4814, 90.1219,
31.6720

■ 89.9752, 97.2025,
84.5425

■ 76.7213, 88.8073,
24.2859

■ 94.0920, 99.4802,
104.2764

■ 75.3450, 87.6502,
18.9087

95.0500, 100.0000,
108.9000

■ 74.3144, 86.6355,
15.3392

■ 73.5833, 85.7445,
13.3340

■ 73.1654, 85.1107,
12.5718

Harmonies

Analogous

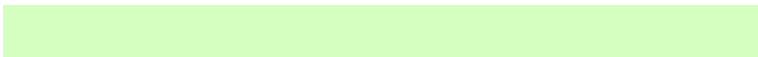
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3465, 93.2715, 53.1953



83.2800, 93.2715, 53.1490



74.4146, 93.2715, 64.0675

Triad

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



83.2800, 93.2715, 53.1490



74.3541, 93.2715, 151.1397



110.9207, 93.2715, 118.3807

Complementary

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



83.2800, 93.2715, 53.1490



51.0054, 47.5471, 101.0970

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.



104.5981, 93.2715, 151.3937



83.2800, 93.2715, 53.1490



83.1910, 93.2715, 172.8282

Square

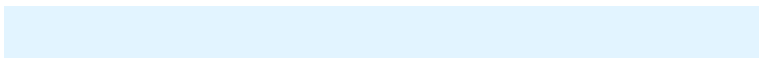
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2800, 93.2715, 53.1490



69.5615, 93.2715, 118.0863



94.2497, 93.2715, 172.9298



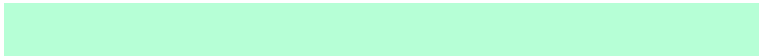
110.9496, 93.2715, 86.6466

Rectangle

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



83.2800, 93.2715, 53.1490



70.6790, 93.2715, 77.7228



94.2497, 93.2715, 172.9298



109.4390, 93.2715, 129.8242

Sweetspot

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



83.2823, 93.2757, 53.1510



90.8179, 97.6753, 88.5619



64.1300, 54.3265, 48.7545



19.3206, 20.8403, 18.3920



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

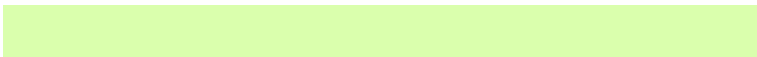
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2823, 93.2757, 53.1510



81.4370, 92.1137, 44.7406



72.2467, 89.4582, 52.9957



19.4810, 20.9301, 19.1575



38.2636, 44.5384, 6.5801



3.7480, 4.3814, 0.6481

Inverse Universe

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



51.0054, 47.5471, 101.0970



44.3125, 39.5213, 99.9006



59.5443, 50.7952, 101.2739



17.0740, 17.5195, 22.7317



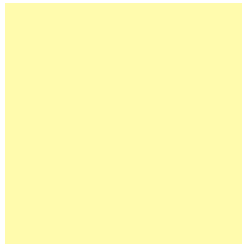
9.5326, 3.9748, 49.6994



0.9520, 0.4347, 4.8470

Previews

White Background



This preview shows how the XYZ color 83.2800, 93.2715, 53.1490 looks on a white background.

Color Contrast Check

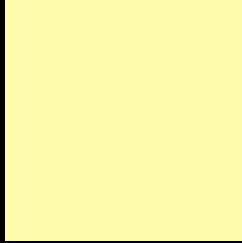
Large Text (above 18pt) WCAG AA × Fail

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 83.2800, 93.2715, 53.1490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

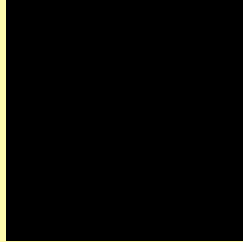
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2800, 93.2715, 53.1490

Background



This preview shows how black text looks on a background with the XYZ color 83.2800, 93.2715, 53.1490.



This preview shows how white text looks on a background with the XYZ color 83.2800, 93.2715,

Color Blindness Simulation

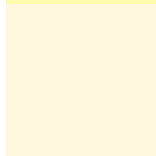
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



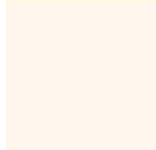
Original Color

83.2800, 93.2715, 53.1490



Protanopia

87.6856, 93.0555, 82.4472



Deuteranopia

89.6284, 93.3446, 94.1823



Tritanopia

91.1614, 92.9896, 105.2395

Trichromacy



Original Color

83.2800, 93.2715, 53.1490



Protanomaly

85.7065, 92.7544, 70.5129



Deuteranomaly

86.9450, 93.2498, 77.0349



Tritanomaly

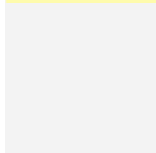
87.8200, 93.1092, 83.1553

Monochromacy



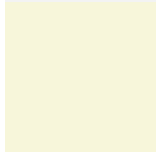
Original Color

83.2800, 93.2715, 53.1490



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.9684, 90.7476, 79.4201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2800, 93.2715, 53.1490 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, 251, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 173)  
}
```

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, 251, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 173) }
```

Border

The CSS property to change the border of an element to XYZ 83.2800, 93.2715, 53.1490 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, 251, 173) }
```


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

```
.border{ border-color:rgb(255, 251, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2800, 93.2715, 53.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 173) }
```

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

```
.background{ background-color: rgb(255,  
251, 173) }
```

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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