

Converting Colors

XYZ(104.4146, 100.0000,
54.5074)

Have a look what the booklet for
XYZ(104.4146, 100.0000, 54.5074)
contains.

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Color

**XYZ(80.7300, 87.8594,
53.2611)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2AF
RGB	255, 242, 175
RGB Percent	100%, 95%, 69%
CMY	0.0000, 0.0510, 0.3137
CMYK	0.00, 0.05, 0.31, 0.00
HSL	50°, 100%, 84%
HSV	50°, 31%, 100%
XYZ	80.7300, 87.8594, 53.2611
YIQ	238.2490, 29.2550, -18.0810

Conversions

Conversions Part 2

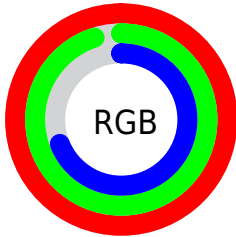
Format	Color
R_{YB}	191, 255, 175
Decimal	16773807
CIE Lab	95.10, -5.37, 33.97
CIE LCh	95, 34.392, 98.983
Yxy	87.8594, 0.3639, 0.3960
Android (android.graphics.Color)	4294963887 (0xFFFFF2AF)
YUV	238.2490, -31.1818, 14.6906
Hunter-Lab	93.7333, -10.2961, 31.9236

Details

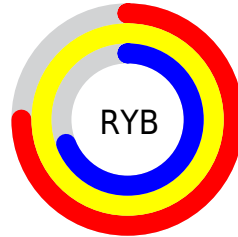
The XYZ color **80.7300, 87.8594, 53.2611** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.7121, 52.2989, 101.8715**, and the grayscale version is **81.6810, 85.9348, 93.5829**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **44.0977, 48.3933, 25.4290** is the 20% darker color. If you saturate the color by 10%, you get **77.2402, 84.5163, 40.8868**, and if you desaturate by 10%, it is **84.7250, 91.4554, 68.1391**.

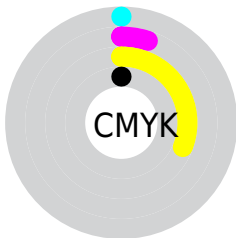
Distribution



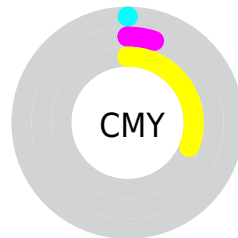
- Red (100%)
- Green (95%)
- Blue (69%)



- Red (75%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7300, 87.8594, 53.2611 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 80.7300, 87.8594, 53.2611 by changing the saturation by 10% instead.


 80.7300, 87.8594,
53.2611

 80.7300, 87.8594,
53.2611


486.0887,
521.0427, 416.3807

 60.6298, 66.2066,
37.6221


 133.3367,
144.3614, 96.4339

 44.1779, 48.4402,
25.3900


166.5740,
179.9794, 124.8048

 31.0089, 34.1756,
16.1462


204.9209,
221.0213, 158.2567

 20.7575, 23.0285,
9.4722

248.7429,
267.8715, 197.2082

 13.0583, 14.6146,
4.9494

298.4053,
320.9143, 242.0778

 7.5460, 8.5493,
2.1594

354.2735,

 3.8552, 4.4484,

380.5342, 293.2841

0.6508

416.7129,
447.1155, 351.2455

■ 1.6205, 1.9274,
0.0000

■ 0.4057, 0.5648,
0.0000

■ 80.7300, 87.8594,
53.2611

■ 80.7300, 87.8594,
53.2611

■ 77.2402, 84.5163,
40.8868

■ 84.7250, 91.4554,
68.1391

■ 74.2222, 81.4032,
30.8700

■ 89.2436, 95.3028,
85.6448

■ 71.6488, 78.5121,
23.0581

■ 94.3109, 99.4148,
105.9008

■ 69.4868, 75.8293,
17.2779

■ 95.0500, 100.0000,
108.9000

■ 67.6983, 73.3394,
13.3306

■ 66.2378, 71.0239,
10.9771

■ 65.1809, 69.1418,
9.9103

Harmonies

Analogous

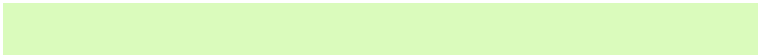
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1281, 87.8594, 55.1759



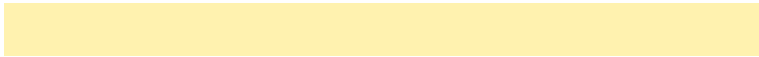
80.7300, 87.8594, 53.2611



72.6931, 87.8594, 60.9401

Triad

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



80.7300, 87.8594, 53.2611



70.2883, 87.8594, 131.8777



101.4535, 87.8594, 115.3598

Complementary

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



80.7300, 87.8594, 53.2611



53.7121, 52.2989, 101.8715

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.



95.3451, 87.8594, 141.5679



80.7300, 87.8594, 53.2611



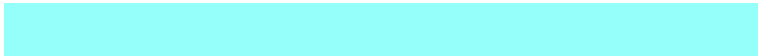
77.2197, 87.8594, 152.2744

Square

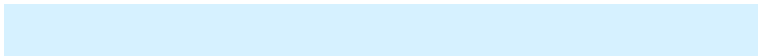
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7300, 87.8594, 53.2611



66.9675, 87.8594, 103.9366



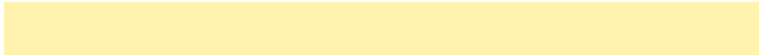
86.3484, 87.8594, 156.1182



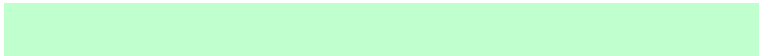
102.5692, 87.8594, 87.8423

Rectangle

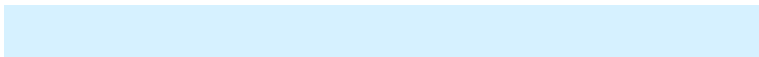
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7300, 87.8594, 53.2611



69.0182, 87.8594, 71.4929



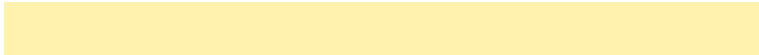
86.3484, 87.8594, 156.1182



99.8953, 87.8594, 124.7480

Sweetspot

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



80.7322, 87.8634, 53.2629



90.3949, 96.2537, 90.1957



65.6837, 55.5662, 55.0301



19.1963, 20.4770, 18.7041



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

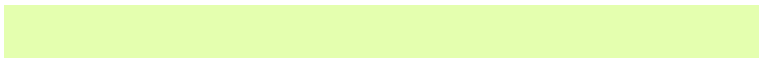
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7322, 87.8634, 53.2629



78.3632, 85.6181, 44.7887



75.5991, 91.1639, 54.1705



19.2953, 20.5587, 19.0956



34.1519, 36.3151, 5.2095



3.3893, 3.6640, 0.5286

Inverse Universe

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



53.7121, 52.2989, 101.8715



47.2752, 44.7091, 100.7458



57.6479, 50.3912, 101.2958



17.2413, 17.8542, 22.7874



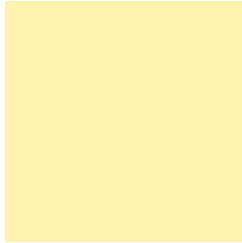
9.9232, 4.7559, 49.8296



1.0307, 0.5921, 4.8732

Previews

White Background



This preview shows how the XYZ color 80.7300, 87.8594, 53.2611 looks on a white background.

Color Contrast Check

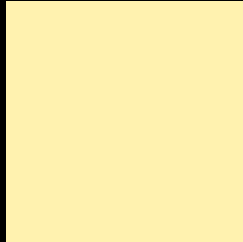
Large Text (above 18pt) WCAG AA × Fail

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 80.7300, 87.8594, 53.2611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

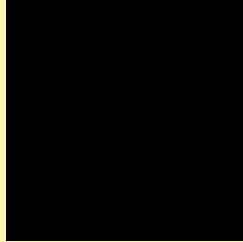
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.7300, 87.8594, 53.2611

Background



This preview shows how black text looks on a background with the XYZ color 80.7300, 87.8594, 53.2611.

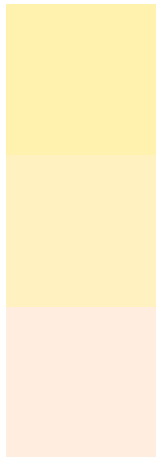


This preview shows how white text looks on a background with the XYZ color 80.7300, 87.8594,

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

80.7300, 87.8594, 53.2611

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

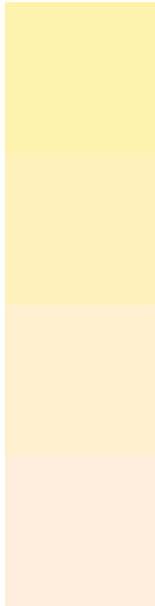
85.2691, 87.7909, 82.9722



Tritanopia

88.0240, 87.9663, 100.3355

Trichromacy



Original Color

80.7300, 87.8594, 53.2611

Protanomaly

81.5582, 87.7158, 59.0866

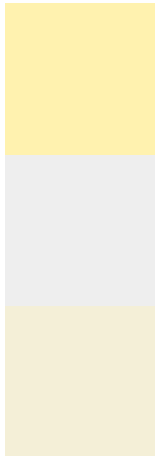
Deuteranomaly

83.2471, 87.4492, 70.8843

Tritanomaly

84.8657, 87.6295, 80.8479

Monochromacy



Original Color

80.7300, 87.8594, 53.2611

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.4405, 85.8724, 76.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7300, 87.8594, 53.2611 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, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 175)  
}
```

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, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 175) }
```

Border

The CSS property to change the border of an element to XYZ 80.7300, 87.8594, 53.2611 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, 242, 175) }
```


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

```
.border{ border-color:rgb(255, 242, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7300, 87.8594, 53.2611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 175) }
```

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

```
.background{ background-color: rgb(255,  
242, 175) }
```

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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