

Converting Colors

XYZ(76.9535, 80.5346, 51.2986)

Have a look what the booklet for
XYZ(76.9535, 80.5346, 51.2986)
contains.

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Color

**XYZ(76.8993, 80.3546,
51.5014)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5AE
RGB	255, 229, 174
RGB Percent	100%, 90%, 68%
CMY	0.0000, 0.1019, 0.3176
CMYK	0.00, 0.10, 0.32, 0.00
HSL	41°, 100%, 84%
HSV	41°, 32%, 100%
XYZ	76.8993, 80.3546, 51.5014
YIQ	230.5040, 33.1510, -11.5930

Conversions

Conversions Part 2

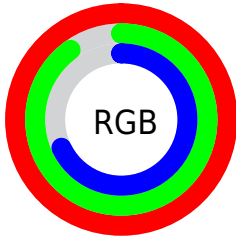
Format	Color
RYB	212, 255, 174
Decimal	16770478
CIELab	91.84, 1.06, 30.11
CIELCh	92, 30.127, 87.980
Yxy	80.3546, 0.3684, 0.3849
Android (android.graphics.Color)	4294960558 (0xFFFFE5AE)
YUV	230.5040, -27.8565, 21.4830
Hunter-Lab	89.6407, -3.7431, 28.6846

Details

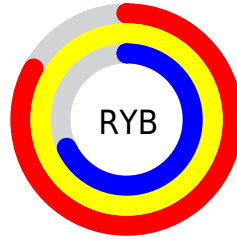
The XYZ color **76.8993, 80.3546, 51.5014** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.1593, 57.5255, 102.7514**, and the grayscale version is **75.7718, 79.7179, 86.8128**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **41.6132, 43.5229, 24.2967** is the 20% darker color. If you saturate the color by 10%, you get **72.4349, 75.0335, 38.8910**, and if you desaturate by 10%, it is **81.9464, 86.0852, 66.6361**.

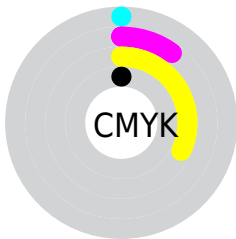
Distribution



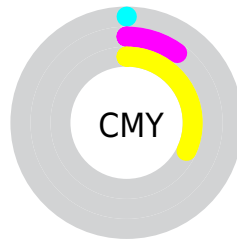
- Red (100%)
- Green (90%)
- Blue (68%)



- Red (83%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (10%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8993, 80.3546, 51.5014 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 76.8993, 80.3546, 51.5014 by changing the saturation by 10% instead.


 76.8993, 80.3546,
51.5014

 76.8993, 80.3546,
51.5014


473.3178,
496.1271, 409.4107

 57.4699, 60.0102,
36.2283


 127.9709,
133.8642, 93.8146

 41.6242, 43.4269,
24.3195


160.3438,
167.7981, 121.6917

 28.9970, 30.2202,
15.3564


197.7619,
207.0307, 154.6073

 19.2228, 20.0058,
8.9205

240.5906,
251.9463, 192.9799

 11.9363, 12.3992,
4.5933

289.1951,
302.9294, 237.2280

 6.7722, 7.0162,
1.9561

343.9410,

 3.3651, 3.4722,

360.3643, 287.7701

0.5281

405.1934,
424.6354, 345.0249

■ 1.3497, 1.3830,
0.0000

■ 0.2199, 0.2041,
0.0000

■ 76.8993, 80.3546,
51.5014

■ 76.8993, 80.3546,
51.5014

■ 72.4349, 75.0335,
38.8910

■ 81.9464, 86.0852,
66.6361

■ 68.5190, 70.0975,
28.6584

■ 87.5963, 92.2272,
84.4205

■ 65.1226, 65.5354,
20.6497

■ 93.8754, 98.7962,
104.9777

■ 62.2113, 61.3310,
14.6904

95.0500, 100.0000,
108.9000

■ 59.7454, 57.4659,
10.5801

■ 57.6777, 53.9188,
8.0770

■ 56.2154, 51.2109,
6.9218

Harmonies

Analogous

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



84.5218, 80.3546, 56.1612



76.8993, 80.3546, 51.5014



69.6175, 80.3546, 55.0530

Triad

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



76.8993, 80.3546, 51.5014



63.9970, 80.3546, 109.0002



89.6696, 80.3546, 112.0343

Complementary

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



76.8993, 80.3546, 51.5014



56.1593, 57.5255, 102.7514

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.



83.5555, 80.3546, 130.6799



76.8993, 80.3546, 51.5014



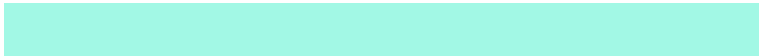
68.7686, 80.3546, 128.7308

Square

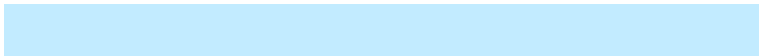
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8993, 80.3546, 51.5014



62.4747, 80.3546, 86.0019



75.8524, 80.3546, 137.2478



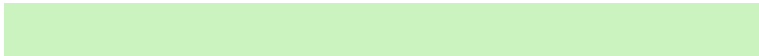
92.1970, 80.3546, 89.0002

Rectangle

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



76.8993, 80.3546, 51.5014



65.8654, 80.3546, 62.0005



75.8524, 80.3546, 137.2478



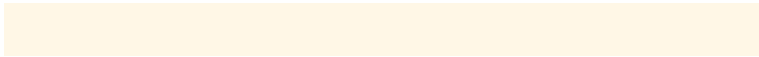
87.9462, 80.3546, 119.1598

Sweetspot

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



76.9013, 80.3582, 51.5031



88.6575, 93.3545, 87.8418



66.9193, 55.7501, 62.4930



18.7950, 19.7892, 18.2168



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

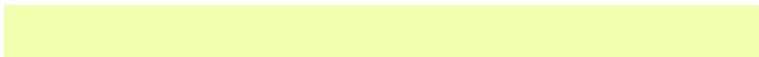
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9013, 80.3582, 51.5031



74.0498, 76.9913, 43.3509



79.8469, 93.3650, 53.8584



19.0409, 20.0500, 19.0108



29.5147, 27.0407, 3.6638



2.9726, 2.8307, 0.3897

Inverse Universe

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



56.1593, 57.5255, 102.7514



50.4102, 50.9792, 101.7908



53.8030, 48.1211, 101.0603



17.4788, 18.3293, 22.8666



11.1204, 7.1503, 50.2286



1.1766, 0.8840, 4.9219

Previews

White Background



This preview shows how the XYZ color 76.8993, 80.3546, 51.5014 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 76.8993, 80.3546, 51.5014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

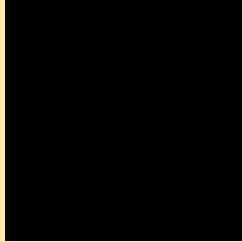
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.8993, 80.3546, 51.5014

Background



This preview shows how black text looks on a background with the XYZ color 76.8993, 80.3546, 51.5014.

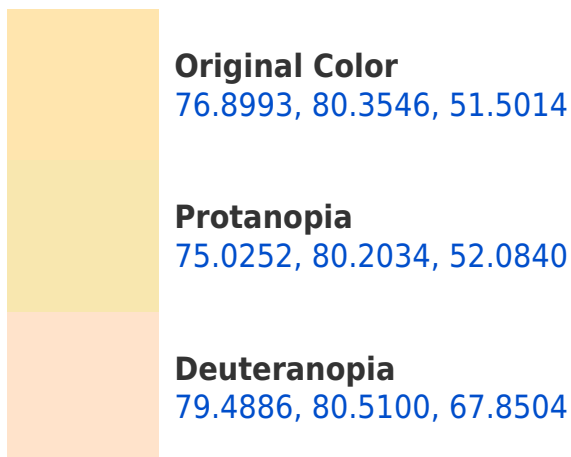


This preview shows how white text looks on a background with the XYZ color 76.8993, 80.3546,

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

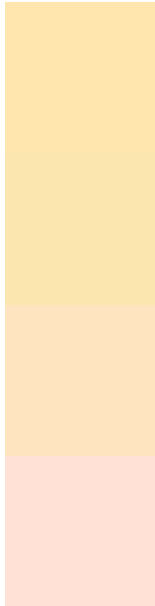




Tritanopia

82.7680, 80.0915, 90.4537

Trichromacy



Original Color

76.8993, 80.3546, 51.5014

Protanomaly

75.8183, 80.1980, 52.0411

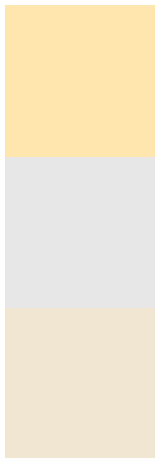
Deuteranomaly

78.4978, 80.5526, 61.2801

Tritanomaly

80.1755, 79.9145, 74.1501

Monochromacy



Original Color

76.8993, 80.3546, 51.5014

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8649, 79.7720, 72.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8993, 80.3546, 51.5014 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, 229, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 174)  
}
```

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, 229, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 174) }
```

Border

The CSS property to change the border of an element to XYZ 76.8993, 80.3546, 51.5014 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, 229, 174) }
```


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

```
.border{ border-color:rgb(255, 229, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8993, 80.3546, 51.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 174) }
```

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

```
.background{ background-color: rgb(255,  
229, 174) }
```

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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