

Converting Colors

XYZ(80.6862, 90.9529, 43.4400)

Have a look what the booklet for
XYZ(80.6862, 90.9529, 43.4400)
contains.

XYZ(80.5572, 90.6947, 43.3970)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.5572, 90.6947,
43.3970)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF899
RGB	255, 248, 153
RGB Percent	100%, 97%, 60%
CMY	0.0000, 0.0274, 0.4000
CMYK	0.00, 0.03, 0.40, 0.00
HSL	56°, 100%, 80%
HSV	56°, 40%, 100%
XYZ	80.5572, 90.6947, 43.3970
YIQ	239.2630, 34.6670, -28.0610

Conversions

Conversions Part 2

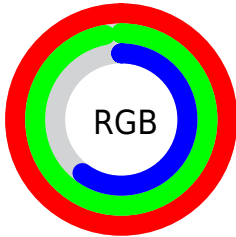
Format	Color
R_{YB}	161, 255, 153
Decimal	16775321
CIE _{Lab}	96.28, -10.80, 46.41
CIE _{LCh}	96, 47.650, 103.106
Yxy	90.6947, 0.3753, 0.4225
Android (android.graphics.Color)	4294965401 (0xFFFFFFFF899)
YUV	239.2630, -42.5277, 13.8013
Hunter-Lab	95.2338, -15.6679, 39.6458

Details

The XYZ color **80.5572, 90.6947, 43.3970** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.7575, 39.1329, 99.8549**, and the grayscale version is **82.5531, 86.8523, 94.5821**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **44.1758, 50.4897, 19.4738** is the 20% darker color. If you saturate the color by 10%, you get **78.1380, 88.8742, 33.2870**, and if you desaturate by 10%, it is **83.4360, 92.7136, 55.8826**.

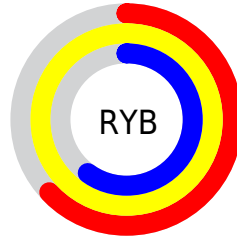
Distribution



Red (100%)

Green (97%)

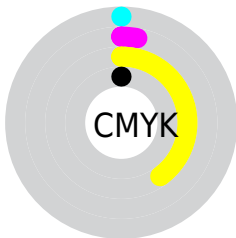
Blue (60%)



Red (63%)

Yellow (100%)

Blue (60%)

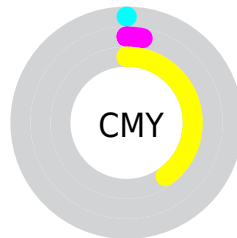


Cyan (0%)

Magenta (3%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5572, 90.6947, 43.3970 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 80.5572, 90.6947, 43.3970 by changing the saturation by 10% instead.


 80.5572, 90.6947,
43.3970


 80.5572, 90.6947,
43.3970


485.5166,
530.2881, 376.2110

 60.4870, 68.5570,
29.8630


 133.0953,
148.3030, 81.6024

 44.0623, 50.3510,
19.4835

 166.2938,
184.5423, 107.1109

 30.9176, 35.6924,
11.8398


204.5993,
226.2510, 137.4479

 20.6876, 24.1967,
6.5135

248.3769,
273.8134, 173.0321

 13.0070, 15.4796,
3.0860

297.9921,
327.6139, 214.2820

 7.5104, 9.1567,
1.1387

353.8102,

 3.8325, 4.8435,

388.0369, 261.6161

0.0000

416.1966,
455.4669, 315.4529

■ 1.6078, 2.1557,
0.0000

■ 0.3975, 0.6957,
0.0000

■ 80.5572, 90.6947,
43.3970

■ 80.5572, 90.6947,
43.3970

■ 78.1380, 88.8742,
33.2870

■ 83.4360, 92.7136,
55.8826

■ 76.1427, 87.2279,
25.3946

■ 86.7941, 94.9291,
70.8771

■ 74.5413, 85.7473,
19.5516

■ 90.6580, 97.3549,
88.5105

■ 73.2967, 84.4173,
15.5633

95.0500, 100.0000,
108.9000

■ 72.3650, 83.2204,
13.1975

■ 71.6739, 82.1277,
12.0747

■ 71.6738, 82.1276,
12.0746

Harmonies

Analogous

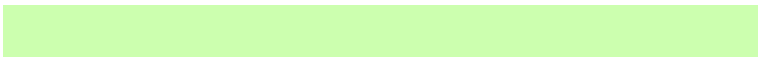
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8152, 90.6947, 44.1221



80.5572, 90.6947, 43.3970



69.9483, 90.6947, 54.5081

Triad

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



80.5572, 90.6947, 43.3970



68.9181, 90.6947, 157.4302



112.9316, 90.6947, 121.4929

Complementary

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



80.5572, 90.6947, 43.3970



43.7575, 39.1329, 99.8549

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.



104.7980, 90.6947, 162.1272



80.5572, 90.6947, 43.3970



79.0133, 90.6947, 186.2438

Square

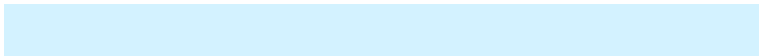
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5572, 90.6947, 43.3970



63.7068, 90.6947, 116.2254



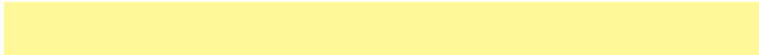
92.1058, 90.6947, 188.1545



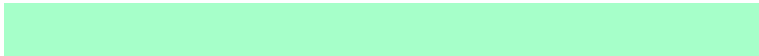
113.4540, 90.6947, 83.1224

Rectangle

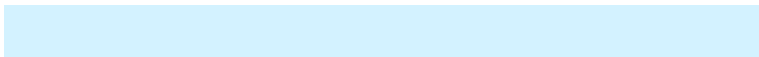
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5572, 90.6947, 43.3970



65.4310, 90.6947, 69.3034



92.1058, 90.6947, 188.1545



110.9618, 90.6947, 135.5433

Sweetspot

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



80.5594, 90.6988, 43.3989



89.8432, 96.8522, 84.7649



59.1091, 46.6343, 39.8370



19.1187, 20.6611, 17.6325



0.0000, 0.0000, 0.0000



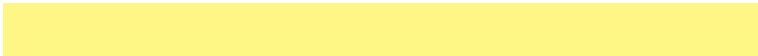
20.3446, 21.4041, 23.3091

Same Dimension

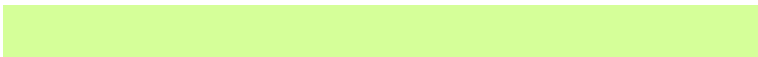
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5594, 90.6988, 43.3989



78.5870, 89.2242, 35.1257



68.8061, 87.8916, 43.4765



19.4483, 20.8648, 19.1466



37.4965, 43.0041, 6.3244



3.6816, 4.2487, 0.6260

Inverse Universe

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



43.7575, 39.1329, 99.8549



37.1836, 31.2215, 98.6743



52.0772, 41.6724, 99.9066



17.1030, 17.5776, 22.7413



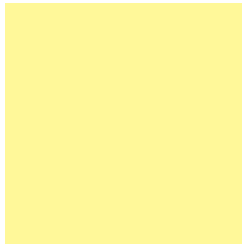
9.5769, 4.0634, 49.7141



0.9658, 0.4622, 4.8516

Previews

White Background



This preview shows how the XYZ color 80.5572, 90.6947, 43.3970 looks on a white background.

Color Contrast Check

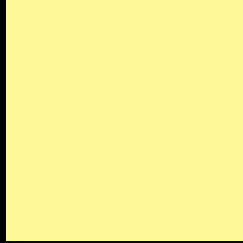
Large Text (above 18pt) WCAG AA × Fail

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 80.5572, 90.6947, 43.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

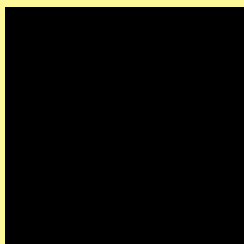
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5572, 90.6947, 43.3970

Background



This preview shows how black text looks on a background with the XYZ color 80.5572, 90.6947, 43.3970.

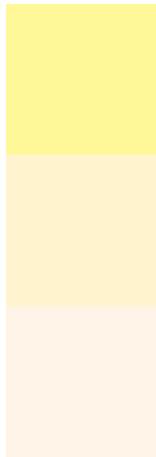


This preview shows how white text looks on a background with the XYZ color 80.5572, 90.6947,

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

80.5572, 90.6947, 43.3970

Protanopia

84.8532, 90.4664, 72.0210

Deuteranopia

87.2751, 90.4774, 87.7269



Tritanopia

89.4990, 90.4197, 102.3582

Trichromacy



Original Color

80.5572, 90.6947, 43.3970



Protanomaly

82.8620, 90.1527, 60.0476



Deuteranomaly

84.2514, 90.2256, 68.8519



Tritanomaly

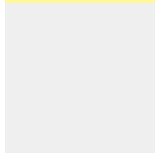
85.4282, 90.2162, 76.5293

Monochromacy



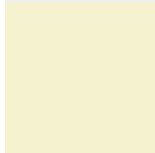
Original Color

80.5572, 90.6947, 43.3970



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.7935, 87.4708, 72.2998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5572, 90.6947, 43.3970 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, 248, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 153)  
}
```

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, 248, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 153) }
```

Border

The CSS property to change the border of an element to XYZ 80.5572, 90.6947, 43.3970 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, 248, 153) }
```


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

```
.border{ border-color:rgb(255, 248, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5572, 90.6947, 43.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 153) }
```

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

```
.background{ background-color: rgb(255,  
248, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor