

Converting Colors

XYZ(80.7362, 88.8913, 67.5473)

Have a look what the booklet for
XYZ(80.7362, 88.8913, 67.5473)
contains.

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Color

**XYZ(80.7339, 88.8874,
67.5454)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F5C8
RGB	245, 245, 200
RGB Percent	96%, 96%, 78%
CMY	0.0392, 0.0392, 0.2157
CMYK	0.00, 0.00, 0.18, 0.04
HSL	60°, 69%, 87%
HSV	60°, 18%, 96%
XYZ	80.7339, 88.8874, 67.5454
YIQ	239.8700, 14.4450, -13.9950

Conversions

Conversions Part 2

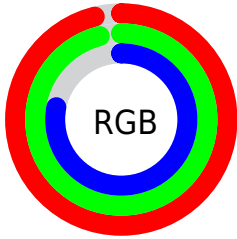
Format	Color
R _Y B	200, 245, 200
Decimal	16119240
CIE Lab	95.53, -7.22, 21.73
CIE LCh	96, 22.896, 108.388
Yxy	88.8874, 0.3404, 0.3748
Android (android.graphics.Color)	4294309320 (0xFFFF5F5C8)
YUV	239.8700, -19.6559, 4.4990
Hunter-Lab	94.2801, -12.1372, 23.5188

Details

The XYZ color **80.7339, 88.8874, 67.5454** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.9585, 60.1828, 94.7947**, and the grayscale version is **82.8657, 87.1812, 94.9403**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1249, 49.1619, 34.3577** is the 20% darker color. If you saturate the color by 10%, you get **78.0969, 87.8355, 53.6539**, and if you desaturate by 10%, it is **83.8345, 90.1308, 83.8573**.

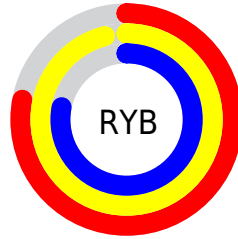
Distribution



Red (96%)

Green (96%)

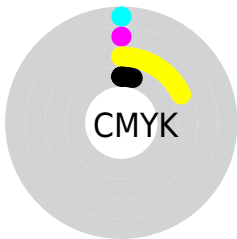
Blue (78%)



Red (78%)

Yellow (96%)

Blue (78%)

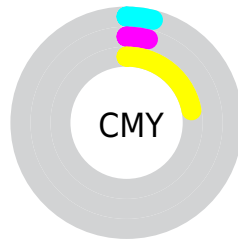


Cyan (0%)

Magenta (0%)

Yellow (18%)

Black (4%)



Cyan (4%)

Magenta (4%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.7339, 88.8874, 67.5454 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 80.7339, 88.8874, 67.5454 by changing the saturation by 10% instead.

80.7339, 88.8874,
67.5454

80.7339, 88.8874,
67.5454

486.1016,
524.4049, 470.4379

60.6330, 67.0582,
49.0636

133.3422,
145.7920, 117.3496

44.1805, 49.1320,
34.3040

166.5803,
181.6362, 149.5091

31.0109, 34.7242,
22.8480

204.9281,
222.9208, 187.0650

20.7590, 23.4505,
14.2770

248.7512,
270.0304, 230.4357

13.0594, 14.9265,
8.1727

298.4147,
323.3491, 280.0398

7.5468, 8.7678,
4.1163

354.2840,

3.8557, 4.5900,

383.2616, 336.2958

1.6893

416.7245,
450.1520, 399.6224

■ 1.6208, 2.0088,
0.3534

■ 0.4059, 0.6126,
0.0000

■ 80.7339, 88.8874,
67.5454

■ 80.7339, 88.8874,
67.5454

■ 78.0969, 87.8355,
53.6539

■ 83.8345, 90.1308,
83.8573

■ 75.8946, 86.9544,
42.0623


■ 87.4121, 91.5619,
102.6913


■ 74.1058, 86.2388,
32.6483


■ 88.3638, 91.9427,
107.6972


■ 72.7048, 85.6783,
25.2759


■ 88.3648, 91.9433,
107.6972


 71.6627, 85.2613,
19.7940


 88.3659, 91.9438,
107.6973


 70.9470, 84.9749,
16.0305


 88.3669, 91.9443,
107.6973


 70.5190, 84.8036,
13.7821

 88.3679, 91.9449,
107.6974

 70.3243, 84.7256,
12.7620

 88.3690, 91.9454,
107.6974

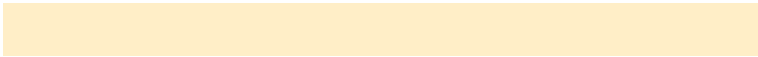
 70.3022, 84.7168,
12.6466

 88.3700, 91.9459,
107.6975

Harmonies

Analogous

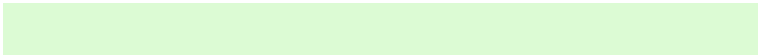
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9377, 88.8874, 66.7166



80.7339, 88.8874, 67.5454



75.7775, 88.8874, 75.5936

Triad

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



80.7339, 88.8874, 67.5454



76.7197, 88.8874, 124.9990



96.8687, 88.8874, 103.9094

Complementary

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



80.7339, 88.8874, 67.5454



60.9585, 60.1828, 94.7947

Split Complementary

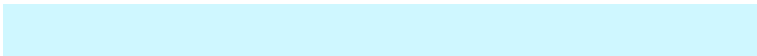
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8349, 88.8874, 121.6032



80.7339, 88.8874, 67.5454



82.0785, 88.8874, 134.7484

Square

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



80.7339, 88.8874, 67.5454



73.5402, 88.8874, 108.1033



88.3501, 88.8874, 133.4339



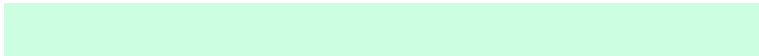
96.4647, 88.8874, 86.2824

Rectangle

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



80.7339, 88.8874, 67.5454



73.7521, 88.8874, 84.6010



88.3501, 88.8874, 133.4339



96.2113, 88.8874, 110.0822

Sweetspot

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



80.7362, 88.8913, 67.5473



92.6830, 99.0531, 96.4389



68.7386, 64.8933, 63.5475



19.7853, 21.1804, 20.3647



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

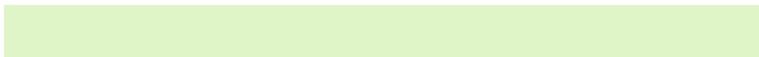
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7362, 88.8913, 67.5473



87.2947, 96.8976, 68.0742



73.3587, 85.0881, 67.2020



17.9145, 19.3135, 17.5812



37.8712, 45.6361, 6.8126



3.3286, 4.0110, 0.5988

Inverse Universe

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



60.9585, 60.1828, 94.7947



61.9789, 60.1502, 102.9513



67.4159, 63.5117, 95.0969



15.5814, 15.9269, 20.7955



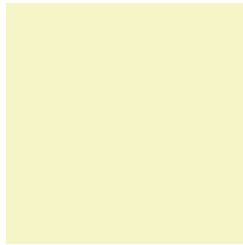
8.8792, 3.5517, 46.7556



0.7805, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 80.7339, 88.8874, 67.5454 looks on a white background.

Color Contrast Check

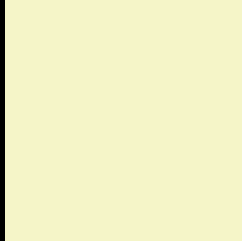
Large Text (above 18pt) WCAG AA × Fail

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 80.7339, 88.8874, 67.5454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

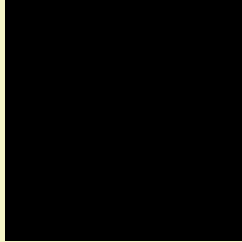
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

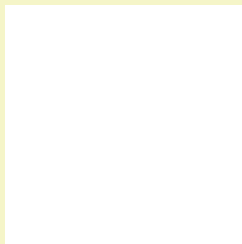
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7339, 88.8874, 67.5454

Background



This preview shows how black text looks on a background with the XYZ color 80.7339, 88.8874, 67.5454.



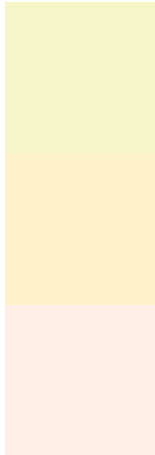
This preview shows how white text looks on a background with the XYZ color 80.7339, 88.8874,

67.5454.

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

80.7339, 88.8874, 67.5454

Protanopia

83.6528, 89.0285, 68.6524

Deuteranopia

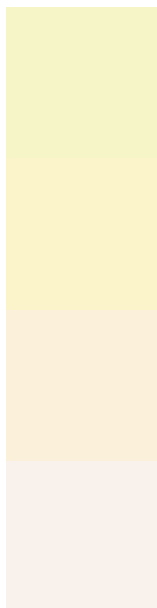
86.3894, 88.7062, 87.4317



Tritanopia

88.7694, 89.0645, 107.1203

Trichromacy



Original Color

80.7339, 88.8874, 67.5454

Protanomaly

82.3769, 88.8275, 68.0620

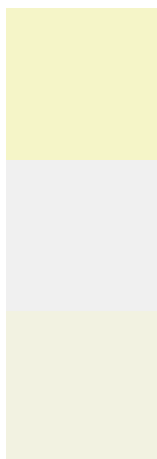
Deuteranomaly

84.0251, 88.5343, 79.6781

Tritanomaly

85.5176, 89.0485, 91.2781

Monochromacy



Original Color

80.7339, 88.8874, 67.5454

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.9607, 87.8177, 83.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7339, 88.8874, 67.5454 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, 245, 200)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 200)  
}
```

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, 245, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 200) }
```

Border

The CSS property to change the border of an element to XYZ 80.7339, 88.8874, 67.5454 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, 245, 200) }
```


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

```
.border{ border-color:rgb(245, 245, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 200);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7339, 88.8874, 67.5454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 200) }
```

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

```
.background{ background-color: rgb(245,  
245, 200) }
```

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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