

Converting Colors

XYZ(83.3201, 88.6933, 83.2513)

Have a look what the booklet for
XYZ(83.3201, 88.6933, 83.2513)
contains.

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Color

**XYZ(83.2127, 88.4789,
83.2134)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F2E0
RGB	246, 242, 224
RGB Percent	96%, 95%, 88%
CMY	0.0353, 0.0510, 0.1216
CMYK	0.00, 0.02, 0.09, 0.04
HSL	49°, 55%, 92%
HSV	49°, 9%, 96%
XYZ	83.2127, 88.4789, 83.2134
YIQ	241.1440, 8.1620, -4.7500

Conversions

Conversions Part 2

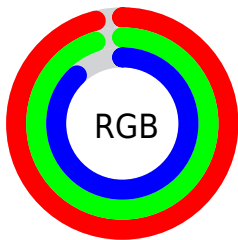
Format	Color
R_{YB}	229, 246, 224
Decimal	16184032
CIE Lab	95.36, -1.69, 9.15
CIE LCh	95, 9.303, 100.451
Yxy	88.4789, 0.3264, 0.3471
Android (android.graphics.Color)	4294374112 (0xFFFF6F2E0)
YUV	241.1440, -8.4520, 4.2587
Hunter-Lab	94.0632, -6.7012, 13.3931

Details

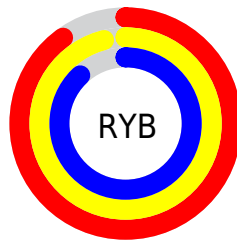
The XYZ color **83.2127, 88.4789, 83.2134** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.1183, 77.9866, 98.2834**, and the grayscale version is **83.7845, 88.1478, 95.9930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9555, 48.9295, 44.5583** is the 20% darker color. If you saturate the color by 10%, you get **78.8023, 84.6159, 66.4569**, and if you desaturate by 10%, it is **88.1432, 92.6077, 102.5268**.

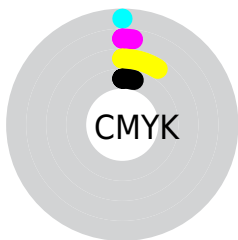
Distribution



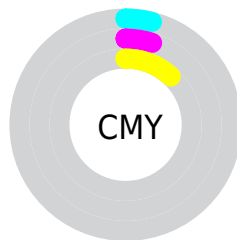
- Red (96%)
- Green (95%)
- Blue (88%)



- Red (90%)
- Yellow (96%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (4%)





- Cyan (4%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2127, 88.4789, 83.2134 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 83.2127, 88.4789, 83.2134 by changing the saturation by 10% instead.


 83.2127, 88.4789,
83.2134

 83.2127, 88.4789,
83.2134


494.2683,
523.0703, 525.6871

 62.6831, 66.7198,
61.8246


136.8003,
145.2237, 139.7262

 45.8426, 48.8569,
44.4561


170.5891,
180.9781, 175.6873

 32.3257, 34.5060,
30.6894


209.5283,
222.1665, 217.3428

 21.7672, 23.2826,
20.1060

253.9832,
269.1731, 265.1115

 13.8016, 14.8023,
12.2873

304.3194,
322.3824, 319.4116

 8.0636, 8.6808,
6.8147

360.9021,

 4.1878, 4.5335,

382.1787, 380.6619

3.2698

424.0966,
448.9466, 449.2809

■ 1.8089, 1.9763,
1.2340

■ 0.5230, 0.5936,
0.0068

■ 83.2127, 88.4789,
83.2134

■ 83.2127, 88.4789,
83.2134

■ 78.8023, 84.6159,
66.4569

■ 88.1432, 92.6077,
102.5268

■ 74.8839, 80.9985,
52.1428

■ 90.5351, 95.7704,
108.3216

■ 71.4375, 77.6211,
40.1565

■ 91.8164, 98.3330,
108.7487

■ 68.4389, 74.4737,
30.3718

■ 65.8618, 71.5454,
22.6506

■ 63.6767, 68.8240,
16.8391

■ 61.8500, 66.2956,
12.7619

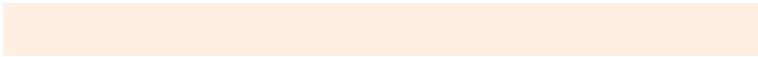
■ 60.3421, 63.9442,
10.2112

■ 59.0941, 61.7456,
8.8782

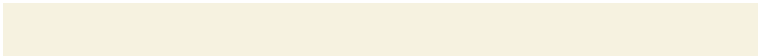
Harmonies

Analogous

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



85.7432, 88.4789, 83.7359



83.2127, 88.4789, 83.2134



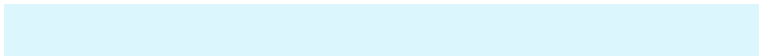
80.9640, 88.4789, 86.0707

Triad

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



83.2127, 88.4789, 83.2134



80.4305, 88.4789, 105.7123



88.7888, 88.4789, 101.1004

Complementary

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



83.2127, 88.4789, 83.2134



75.1183, 77.9866, 98.2834

Split Complementary

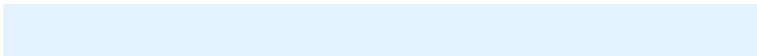
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3089, 88.4789, 107.3920



83.2127, 88.4789, 83.2134



82.4711, 88.4789, 110.1461

Square

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



83.2127, 88.4789, 83.2134



79.3792, 88.4789, 98.9010



84.9866, 88.4789, 110.7758



88.9971, 88.4789, 93.8206

Rectangle

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



83.2127, 88.4789, 83.2134



79.9143, 88.4789, 89.5964



84.9866, 88.4789, 110.7758



88.4222, 88.4789, 103.4106

Sweetspot

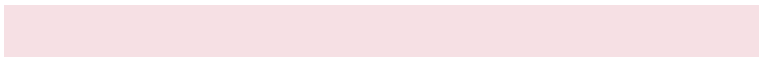
The Sweet Spot groups the original color and five complimentary colors.



83.2151, 88.4828, 83.2153



93.4010, 98.6338, 102.3946



78.6710, 78.5087, 84.4316



19.8992, 21.0345, 21.5538



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.



83.2151, 88.4828, 83.2153



89.2547, 95.1161, 86.2919



82.0192, 89.6509, 83.5038



17.6438, 18.7717, 17.4909



31.5704, 33.0265, 4.7108



2.8399, 3.0330, 0.4357

Inverse Universe

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



75.1183, 77.9866, 98.2834



78.5818, 81.2807, 106.1548



76.2356, 76.9498, 98.0244



15.8245, 16.4133, 20.8766



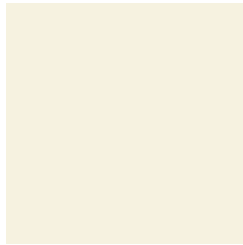
9.4454, 4.6845, 46.9444



0.8961, 0.5436, 4.1479

Previews

White Background



This preview shows how the XYZ color 83.2127, 88.4789, 83.2134 looks on a white background.

Color Contrast Check

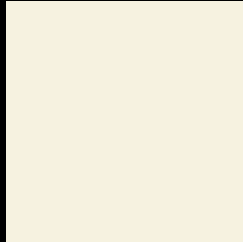
Large Text (above 18pt) WCAG AA × Fail

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 83.2127, 88.4789, 83.2134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

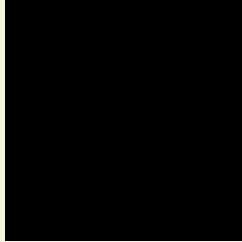
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2127, 88.4789, 83.2134

Background



This preview shows how black text looks on a background with the XYZ color 83.2127, 88.4789, 83.2134.



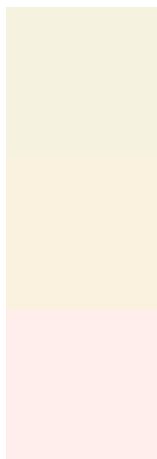
This preview shows how white text looks on a background with the XYZ color 83.2127, 88.4789,

83.2134.

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

83.2127, 88.4789, 83.2134

Protanopia

84.1989, 88.5623, 82.4685

Deuteranopia

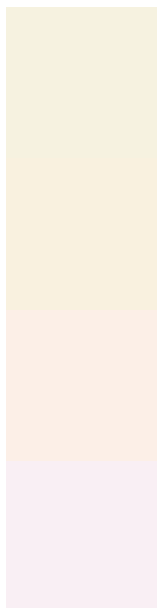
86.8099, 88.4072, 91.0862



Tritanopia

88.0489, 88.6931, 107.0865

Trichromacy



Original Color

83.2127, 88.4789, 83.2134

Protanomaly

83.8415, 88.3780, 82.4518

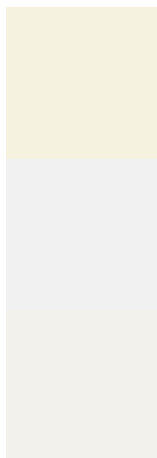
Deuteranomaly

85.4352, 88.1980, 88.1223

Tritanomaly

86.2626, 88.4044, 98.1052

Monochromacy



Original Color

83.2127, 88.4789, 83.2134

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.4128, 87.9634, 91.1796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2127, 88.4789, 83.2134 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(246, 242, 224) looks like.

```
.text, #text, p{  
    color:rgb(246, 242, 224)  
}
```

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(246, 242, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 242, 224) }
```

Border

The CSS property to change the border of an element to XYZ 83.2127, 88.4789, 83.2134 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(246, 242, 224) }
```


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

```
.border{ border-color:rgb(246, 242, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 242, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(246, 242,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2127, 88.4789, 83.2134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 242, 224) }
```

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

```
.background{ background-color: rgb(246,  
242, 224) }
```

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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