

Converting Colors

XYZ(166.9918, 132.1012,
72.0814)

Have a look what the booklet for
XYZ(166.9918, 132.1012, 72.0814)
contains.

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Color

**XYZ(83.5347, 88.9813,
68.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2C9
RGB	255, 242, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0510, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	46°, 100%, 89%
HSV	46°, 21%, 100%
XYZ	83.5347, 88.9813, 68.0307
YIQ	241.2130, 20.9090, -9.9950

Conversions

Conversions Part 2

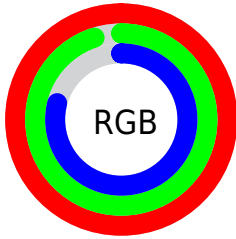
Format	Color
R _Y B	218, 255, 201
Decimal	16773833
CIE Lab	95.57, -1.98, 21.39
CIE LCh	96, 21.478, 95.285
Yxy	88.9813, 0.3473, 0.3699
Android (android.graphics.Color)	4294963913 (0xFFFFF2C9)
YUV	241.2130, -19.8250, 12.0912
Hunter-Lab	94.3299, -7.0050, 23.2710

Details

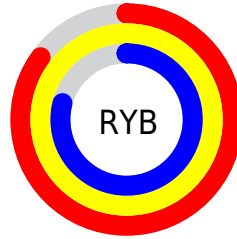
The XYZ color **83.5347, 88.9813, 68.0307** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.1834, 67.7287, 104.1924**, and the grayscale version is **83.9184, 88.2887, 96.1464**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1141, 49.2302, 34.6757** is the 20% darker color. If you saturate the color by 10%, you get **78.9854, 84.2911, 52.9233**, and if you desaturate by 10%, it is **88.6477, 94.0010, 85.7850**.

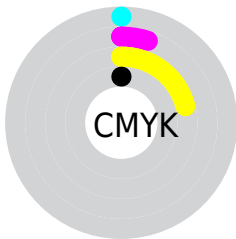
Distribution



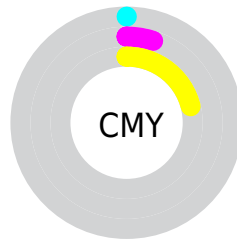
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5347, 88.9813, 68.0307 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 83.5347, 88.9813, 68.0307 by changing the saturation by 10% instead.


 83.5347, 88.9813,
68.0307

 83.5347, 88.9813,
68.0307


495.3238,
524.7115, 472.2058

 62.9498, 67.1361,
49.4559


137.2487,
145.9226, 118.0507

 46.0591, 49.1952,
34.6131


171.1085,
181.7874, 150.3329

 32.4972, 34.7743,
23.0838


210.1240,
223.0941, 188.0214

 21.8990, 23.4891,
14.4495

254.6605,
270.2273, 231.5346

 13.8989, 14.9551,
8.2917

305.0834,
323.5712, 281.2911

 8.1316, 8.7879,
4.1917

361.7580,

 4.2318, 4.6031,

383.5103, 337.7094

1.7311

425.0497,
450.4289, 401.2082

■ 1.8341, 2.0163,
0.3819

■ 0.5381, 0.6169,
0.0000

■ 83.5347, 88.9813,
68.0307

■ 83.5347, 88.9813,
68.0307

■ 78.9854, 84.2911,
52.9233

■ 88.6477, 94.0010,
85.7850

■ 74.9681, 79.9079,
40.3275

■ 94.3413, 99.3490,
106.3011

■ 71.4577, 75.8235,
30.1048

■ 95.0500, 100.0000,
108.9000

■ 68.4243, 72.0251,
22.1008

■ 65.8346, 68.4983,
16.1426

■ 63.6503, 65.2269,
12.0318

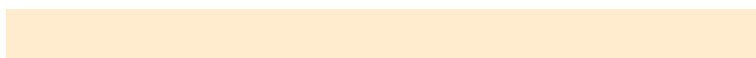
■ 61.8255, 62.1914,
9.5303

■ 60.4515, 59.6831,
8.3338

Harmonies

Analogous

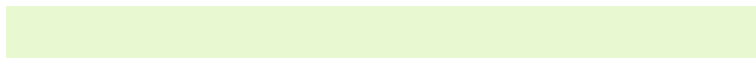
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4009, 88.9813, 70.2949



83.5347, 88.9813, 68.0307



78.1960, 88.9813, 72.7360

Triad

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



83.5347, 88.9813, 68.0307



75.6574, 88.9813, 116.8661



95.2907, 88.9813, 111.0974

Complementary

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



83.5347, 88.9813, 68.0307



66.1834, 67.7287, 104.1924

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.



91.2898, 88.9813, 125.8637



83.5347, 88.9813, 68.0307



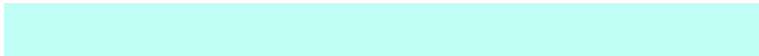
79.9242, 88.9813, 129.4559

Square

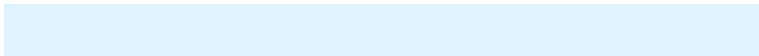
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5347, 88.9813, 68.0307



73.7852, 88.9813, 99.9053



85.6220, 88.9813, 132.9255



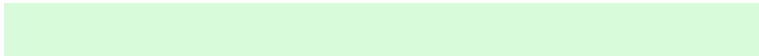
96.3665, 88.9813, 93.9272

Rectangle

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



83.5347, 88.9813, 68.0307



75.5975, 88.9813, 79.5542



85.6220, 88.9813, 132.9255



94.2345, 88.9813, 116.5671

Sweetspot

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



83.5369, 88.9852, 68.0326



91.5203, 96.7269, 96.0511



74.3289, 67.9149, 73.1460



19.5097, 20.6288, 20.2727



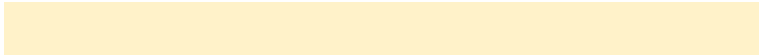
0.0000, 0.0000, 0.0000



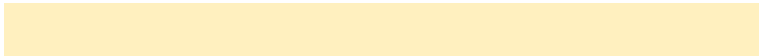
20.3446, 21.4041, 23.3091

Same Dimension

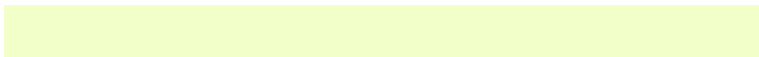
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5369, 88.9852, 68.0326



81.7315, 87.1526, 61.9490



82.7496, 94.5261, 69.1436



19.1691, 20.3064, 19.0535



31.7093, 31.4297, 4.3953



3.1719, 3.2292, 0.4561

Inverse Universe

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



66.1834, 67.7287, 104.1924



61.8125, 62.7562, 103.4630



66.8153, 63.3659, 103.3170



17.3579, 18.0873, 22.8263



10.4093, 5.7282, 49.9916



1.0940, 0.7187, 4.8943

Previews

White Background



This preview shows how the XYZ color 83.5347, 88.9813, 68.0307 looks on a white background.

Color Contrast Check

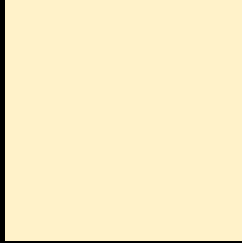
Large Text (above 18pt) WCAG AA × Fail

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 83.5347, 88.9813, 68.0307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

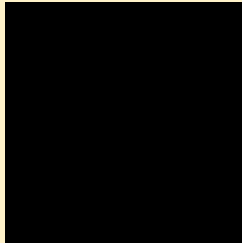
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5347, 88.9813, 68.0307

Background



This preview shows how black text looks on a background with the XYZ color 83.5347, 88.9813, 68.0307.



This preview shows how white text looks on a background with the XYZ color 83.5347, 88.9813,

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

83.5347, 88.9813, 68.0307

Protanopia

83.8912, 89.1239, 69.9078

Deuteranopia

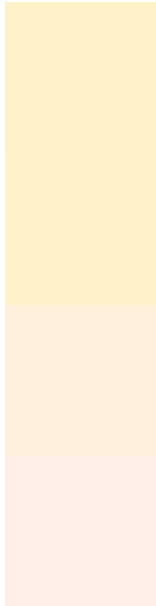
86.5303, 88.7625, 88.1735



Tritanopia

88.6231, 88.6679, 102.0662

Trichromacy



Original Color

83.5347, 88.9813, 68.0307

Protanomaly

83.7716, 89.0761, 69.2781

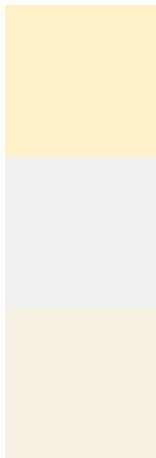
Deuteranomaly

85.3184, 88.7475, 80.3434

Tritanomaly

86.6720, 88.8192, 88.9196

Monochromacy



Original Color

83.5347, 88.9813, 68.0307

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.1888, 87.9944, 84.5516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5347, 88.9813, 68.0307 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 201) }
```

Border

The CSS property to change the border of an element to XYZ 83.5347, 88.9813, 68.0307 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, 201) }
```


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

```
.border{ border-color:rgb(255, 242, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5347, 88.9813, 68.0307 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
242, 201) }
```

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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