

Converting Colors

XYZ(97.7802, 96.0188, 67.9364)

Have a look what the booklet for
XYZ(97.7802, 96.0188, 67.9364)
contains.

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Color

**XYZ(83.1206, 88.3407,
67.3141)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1C8
RGB	255, 241, 200
RGB Percent	100%, 95%, 78%
CMY	0.0000, 0.0549, 0.2157
CMYK	0.00, 0.05, 0.22, 0.00
HSL	45°, 100%, 89%
HSV	45°, 22%, 100%
XYZ	83.1206, 88.3407, 67.3141
YIQ	240.5120, 21.5050, -9.7830

Conversions

Conversions Part 2

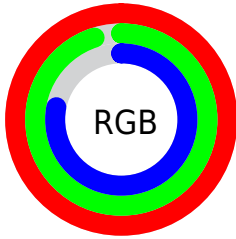
Format	Color
R _Y B	219, 255, 200
Decimal	16773576
CIE Lab	95.30, -1.61, 21.53
CIE LCh	95, 21.587, 94.288
Yxy	88.3407, 0.3481, 0.3700
Android (android.graphics.Color)	4294963656 (0xFFFFF1C8)
YUV	240.5120, -19.9724, 12.7060
Hunter-Lab	93.9897, -6.6241, 23.3302

Details

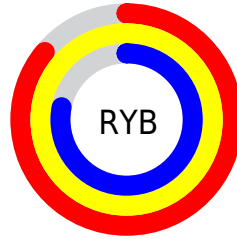
The XYZ color **83.1206, 88.3407, 67.3141** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9154, 67.5906, 104.1799**, and the grayscale version is **83.3675, 87.7091, 95.5152**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8260, 48.7790, 34.1941** is the 20% darker color. If you saturate the color by 10%, you get **78.4996, 83.4767, 52.2767**, and if you desaturate by 10%, it is **88.3114, 93.5481, 84.9958**.

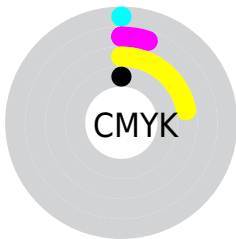
Distribution



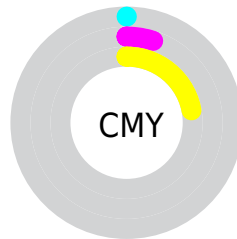
- Red (100%)
- Green (95%)
- Blue (78%)



- Red (86%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1206, 88.3407, 67.3141 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 83.1206, 88.3407, 67.3141 by changing the saturation by 10% instead.


 83.1206, 88.3407,
67.3141

 83.1206, 88.3407,
67.3141


493.9662,
522.6183, 469.5939

 62.6069, 66.6053,
48.8767


136.6720,
145.0314, 117.0153

 45.7807, 48.7639,
34.1568


170.4404,
180.7554, 149.1162

 32.2767, 34.4322,
22.7357

209.3578,
221.9111, 186.6087

 21.7295, 23.2258,
14.1950

253.7894,
268.8829, 229.9113

 13.7738, 14.7604,
8.1161

304.1008,
322.0551, 279.4426

 8.0441, 8.6514,
4.0805

360.6571,

 4.1752, 4.5145,

381.8121, 335.6211

1.6696

423.8238,
448.5384, 398.8653

■ 1.8017, 1.9653,
0.3398

■ 0.5187, 0.5872,
0.0000

■ 83.1206, 88.3407,
67.3141

■ 83.1206, 88.3407,
67.3141

■ 78.4996, 83.4767,
52.2767

■ 88.3114, 93.5481,
84.9958

■ 74.4166, 78.9332,
39.7481

■ 94.0892, 99.0978,
105.4372

■ 70.8464, 74.7021,
29.5890

■ 95.0500, 100.0000,
108.9000

■ 67.7588, 70.7700,
21.6445

■ 65.1201, 67.1223,
15.7408

■ 62.8917, 63.7425,
11.6783

■ 61.0274, 60.6106,
9.2166

■ 59.6790, 58.1380,
8.0763

Harmonies

Analogous

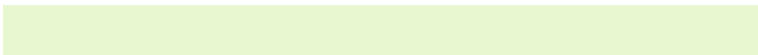
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9791, 88.3407, 69.8060



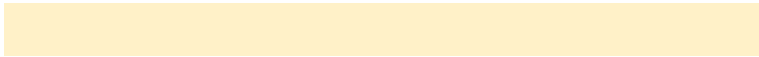
83.1206, 88.3407, 67.3141



77.7406, 88.3407, 71.7844

Triad

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



83.1206, 88.3407, 67.3141



74.9446, 88.3407, 115.6577



94.5966, 88.3407, 110.9692

Complementary

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



83.1206, 88.3407, 67.3141



65.9154, 67.5906, 104.1799

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.



90.5135, 88.3407, 125.5767



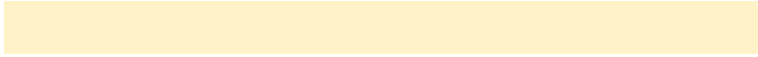
83.1206, 88.3407, 67.3141



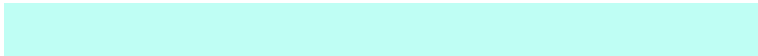
79.1433, 88.3407, 128.4981

Square

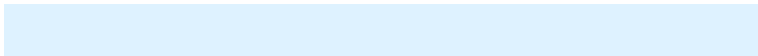
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1206, 88.3407, 67.3141



73.1624, 88.3407, 98.6355



84.8155, 88.3407, 132.3238



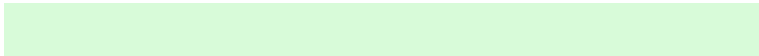
95.7822, 88.3407, 93.7814

Rectangle

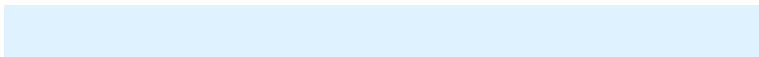
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1206, 88.3407, 67.3141



75.0945, 88.3407, 78.4576



84.8155, 88.3407, 132.3238



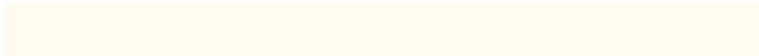
93.5083, 88.3407, 116.4066

Sweetspot

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



83.1227, 88.3446, 67.3160



91.4543, 96.5947, 96.0291



74.1179, 67.4587, 73.1810



19.4940, 20.5975, 20.2675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

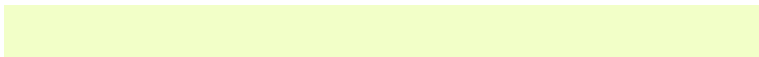
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1227, 88.3446, 67.3160



81.0054, 86.1463, 60.3320



82.8609, 94.5971, 68.5366



19.1470, 20.2621, 19.0462



31.3096, 30.6304, 4.2621



3.1359, 3.1572, 0.4441

Inverse Universe

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



65.9154, 67.5906, 104.1799



60.9297, 61.9360, 103.3513



66.0974, 62.6509, 103.2169



17.3786, 18.1288, 22.8332



10.5157, 5.9410, 50.0271



1.1069, 0.7445, 4.8986

Previews

White Background



This preview shows how the XYZ color 83.1206, 88.3407, 67.3141 looks on a white background.

Color Contrast Check

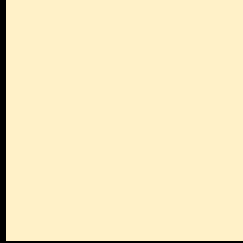
Large Text (above 18pt) WCAG AA × Fail

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 83.1206, 88.3407, 67.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

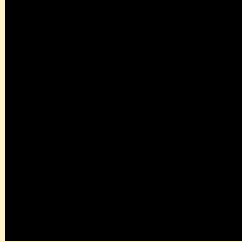
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1206, 88.3407, 67.3141

Background



This preview shows how black text looks on a background with the XYZ color 83.1206, 88.3407, 67.3141.



This preview shows how white text looks on a background with the XYZ color 83.1206, 88.3407,

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

83.1206, 88.3407, 67.3141

Protanopia

83.1206, 88.3407, 67.3141

Deuteranopia

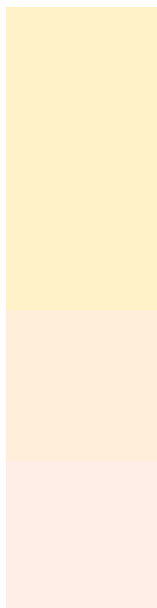
85.9574, 88.0662, 86.5968



Tritanopia

88.3343, 88.0905, 101.9700

Trichromacy



Original Color

83.1206, 88.3407, 67.3141

Protanomaly

83.1206, 88.3407, 67.3141

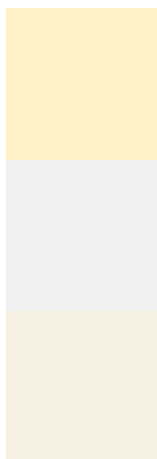
Deuteranomaly

84.7614, 88.0550, 78.8586

Tritanomaly

86.2383, 88.1786, 88.0762

Monochromacy



Original Color

83.1206, 88.3407, 67.3141

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 83.1206, 88.3407, 67.3141 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, 241, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 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(255, 241, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 200) }
```

Border

The CSS property to change the border of an element to XYZ 83.1206, 88.3407, 67.3141 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, 241, 200) }
```


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

```
.border{ border-color:rgb(255, 241, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1206, 88.3407, 67.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 200) }
```

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

```
.background{ background-color: rgb(255,  
241, 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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