

Converting Colors

XYZ(83.7857, 91.4446, 75.1711)

Have a look what the booklet for
XYZ(83.7857, 91.4446, 75.1711)
contains.

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Color

**XYZ(84.0367, 91.7944,
74.9169)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F8D3
RGB	248, 248, 211
RGB Percent	97%, 97%, 83%
CMY	0.0274, 0.0274, 0.1725
CMYK	0.00, 0.00, 0.15, 0.03
HSL	60°, 73%, 90%
HSV	60°, 15%, 97%
XYZ	84.0367, 91.7944, 74.9169
YIQ	243.7820, 11.8770, -11.5070

Conversions

Conversions Part 2

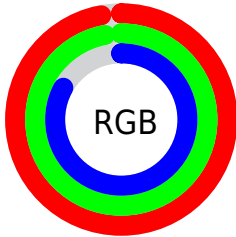
Format	Color
R _Y B	211, 248, 211
Decimal	16316627
CIE Lab	96.74, -6.04, 17.81
CIE LCh	97, 18.804, 108.724
Yxy	91.7944, 0.3351, 0.3661
Android (android.graphics.Color)	4294506707 (0xFFFF8F8D3)
YUV	243.7820, -16.1615, 3.6992
Hunter-Lab	95.8094, -11.0998, 20.7055

Details

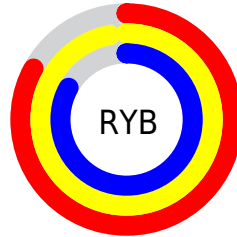
The XYZ color **84.0367, 91.7944, 74.9169** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.1050, 67.2172, 98.2493**, and the grayscale version is **85.9354, 90.4107, 98.4572**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3362, 51.1759, 38.8883** is the 20% darker color. If you saturate the color by 10%, you get **81.1642, 90.6483, 59.7858**, and if you desaturate by 10%, it is **87.3939, 93.1405, 92.5784**.

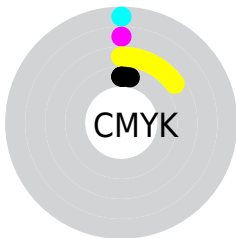
Distribution



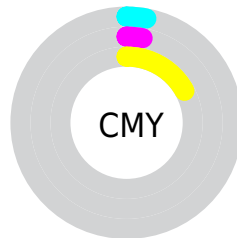
- Red (97%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (83%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)



- Cyan (3%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0367, 91.7944, 74.9169 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 84.0367, 91.7944, 74.9169 by changing the saturation by 10% instead.

84.0367, 91.7944,
74.9169

84.0367, 91.7944,
74.9169

496.9669,
533.8508, 496.8797

63.3655, 69.4699,
55.0435

137.9475,
149.8284, 127.9407

46.3968, 51.0945,
39.0377

171.9179,
186.3067, 161.9283

32.7650, 36.2838,
26.4810

211.0520,
228.2716, 201.4575

22.1048, 24.6535,
16.9548

255.7153,
276.1077, 246.9472

14.0510, 15.8191,
10.0407

306.2731,
330.1993, 298.8157

8.2381, 9.3962,
5.3200

363.0907,

4.3007, 5.0005,

390.9307, 357.4815

2.3742

426.5335,
458.6864, 423.3634

■ 1.8736, 2.2476,
0.7723

■ 0.5614, 0.7457,
0.0000

■ 84.0367, 91.7944,
74.9169

■ 84.0367, 91.7944,
74.9169

■ 81.1642, 90.6483,
59.7858

■ 87.3939, 93.1405,
92.5784

■ 78.7470, 89.6813,
47.0636


■ 90.3335, 94.3165,
108.0516


■ 76.7641, 88.8880,
36.6280

■ 90.3347, 94.3171,
108.0516

■ 75.1896, 88.2581,
28.3434

■ 90.3359, 94.3177,
108.0517

 73.9952, 87.7802,
22.0599


 90.3371, 94.3183,
108.0517


 73.1487, 87.4414,
17.6085


 90.3384, 94.3190,
108.0518


 72.6127, 87.2269,
14.7926

 90.3396, 94.3196,
108.0518

 72.3413, 87.1182,
13.3700

 90.3408, 94.3202,
108.0519

 72.2706, 87.0898,
13.0010

 90.3420, 94.3209,
108.0520

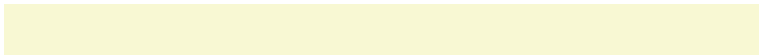
Harmonies

Analogous

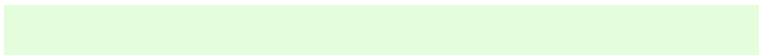
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2433, 91.7944, 74.1150



84.0367, 91.7944, 74.9169



79.8551, 91.7944, 82.0083

Triad

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



84.0367, 91.7944, 74.9169



80.7354, 91.7944, 123.3718



97.5624, 91.7944, 105.7282

Complementary

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



84.0367, 91.7944, 74.9169



67.1050, 67.2172, 98.2493

Split Complementary

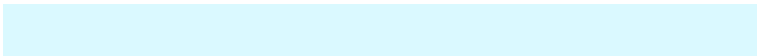
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.0832, 91.7944, 120.3310



84.0367, 91.7944, 74.9169



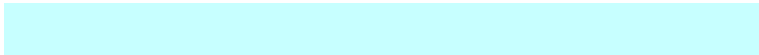
85.2824, 91.7944, 131.1796

Square

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



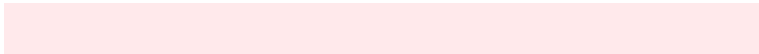
84.0367, 91.7944, 74.9169



78.0028, 91.7944, 109.5523



90.5397, 91.7944, 130.0140



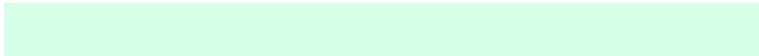
97.1960, 91.7944, 90.9231

Rectangle

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



84.0367, 91.7944, 74.9169



78.1460, 91.7944, 89.7883



90.5397, 91.7944, 130.0140



97.0303, 91.7944, 110.8476

Sweetspot

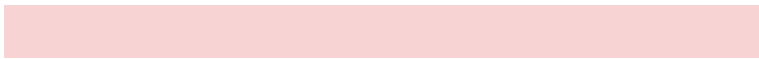
The Sweet Spot groups the original color and five complimentary colors.



84.0391, 91.7984, 74.9189



93.4504, 99.3601, 100.4793



73.7665, 71.2503, 71.4941



19.9399, 21.2422, 21.1786



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

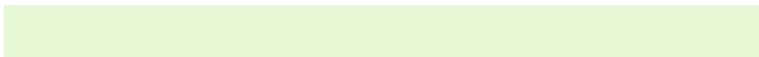
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0391, 91.7984, 74.9189



88.5187, 97.3872, 74.5187



77.8016, 88.5829, 74.6270



18.7272, 20.1907, 18.3726



39.0386, 47.0434, 7.0227



3.6157, 4.3571, 0.6504

Inverse Universe

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



67.1050, 67.2172, 98.2493



67.1996, 66.4408, 103.8903



72.7132, 70.1083, 98.5118



16.2833, 16.6432, 21.7395



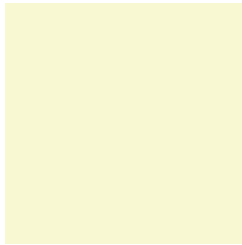
9.1531, 3.6613, 48.1978



0.8478, 0.3391, 4.4640

Previews

White Background



This preview shows how the XYZ color 84.0367, 91.7944, 74.9169 looks on a white background.

Color Contrast Check

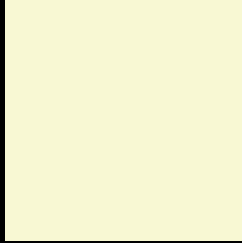
Large Text (above 18pt) WCAG AA × Fail

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 84.0367, 91.7944, 74.9169 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 84.0367, 91.7944, 74.9169

Background



This preview shows how black text looks on a background with the XYZ color 84.0367, 91.7944, 74.9169.

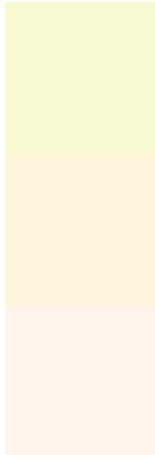


This preview shows how white text looks on a background with the XYZ color 84.0367, 91.7944,

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

84.0367, 91.7944, 74.9169

Protanopia

86.6786, 91.6793, 80.1453

Deuteranopia

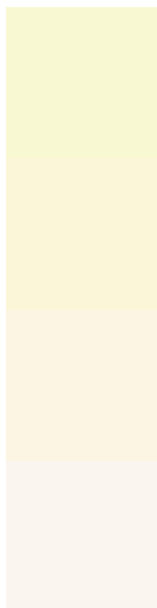
88.7232, 91.5342, 93.8806



Tritanopia

90.2455, 92.0166, 107.6123

Trichromacy



Original Color

84.0367, 91.7944, 74.9169

Protanomaly

85.4953, 91.5648, 78.1334

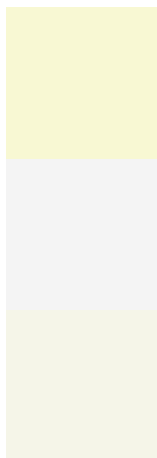
Deuteranomaly

86.8009, 91.6017, 86.5048

Tritanomaly

88.0161, 92.0460, 94.7891

Monochromacy



Original Color

84.0367, 91.7944, 74.9169

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.8741, 90.5435, 89.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0367, 91.7944, 74.9169 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(248, 248, 211)` looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 211)  
}
```

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(248, 248, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 211) }
```

Border

The CSS property to change the border of an element to XYZ 84.0367, 91.7944, 74.9169 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(248, 248, 211) }
```


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

```
.border{ border-color:rgb(248, 248, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 248, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 211);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0367, 91.7944, 74.9169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 248, 211) }
```

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

```
.background{ background-color: rgb(248,  
248, 211) }
```

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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