

Converting Colors

XYZ(85.8664, 91.7000, 74.8030)

Have a look what the booklet for
XYZ(85.8664, 91.7000, 74.8030)
contains.

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Color

**XYZ(85.9536, 91.8747,
74.8314)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6D3
RGB	255, 246, 211
RGB Percent	100%, 96%, 83%
CMY	0.0000, 0.0353, 0.1725
CMYK	0.00, 0.04, 0.17, 0.00
HSL	48°, 100%, 91%
HSV	48°, 17%, 100%
XYZ	85.9536, 91.8747, 74.8314
YIQ	244.7010, 16.5990, -8.9770

Conversions

Conversions Part 2

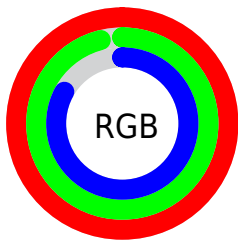
Format	Color
R_{YB}	222, 255, 211
Decimal	16774867
CIE Lab	96.77, -2.56, 17.93
CIE LCh	97, 18.113, 98.113
Yxy	91.8747, 0.3402, 0.3636
Android (android.graphics.Color)	4294964947 (0xFFFFF6D3)
YUV	244.7010, -16.6146, 9.0322
Hunter-Lab	95.8513, -7.6718, 20.8080

Details

The XYZ color **85.9536, 91.8747, 74.8314** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.5066, 72.2533, 104.8379**, and the grayscale version is **86.6727, 91.1864, 99.3020**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7029, 51.2330, 38.8272** is the 20% darker color. If you saturate the color by 10%, you get **81.4444, 87.5727, 58.7879**, and if you desaturate by 10%, it is **91.0190, 96.4765, 93.5644**.

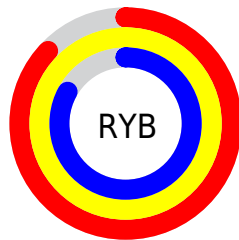
Distribution



Red (100%)

Green (96%)

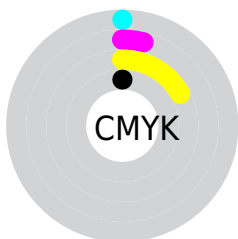
Blue (83%)



Red (87%)

Yellow (100%)

Blue (83%)

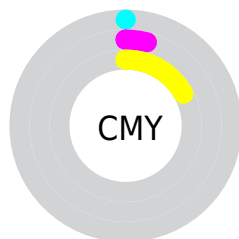


Cyan (0%)

Magenta (4%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.9536, 91.8747, 74.8314 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 85.9536, 91.8747, 74.8314 by changing the saturation by 10% instead.


 85.9536, 91.8747,
74.8314

 85.9536, 91.8747,
74.8314


503.2145,
534.1105, 496.5778

 64.9547, 69.5366,
54.9739


140.6119,
149.9397, 127.8186

 47.6889, 51.1488,
38.9824


175.0021,
186.4354, 161.7853

 33.7909, 36.3270,
26.4383


214.5867,
228.4190, 201.2922

 22.8951, 24.6869,
16.9231

259.7312,
276.2750, 246.7578

 14.6363, 15.8439,
10.0183

310.8008,
330.3878, 298.6006

 8.6492, 9.4138,
5.3053

368.1610,

 4.5684, 5.0120,

391.1417, 357.2392

2.3656

432.1771,
458.9211, 423.0921

■ 2.0284, 2.2543,
0.7676

■ 0.6499, 0.7494,
0.0000

■ 85.9536, 91.8747,
74.8314

■ 85.9536, 91.8747,
74.8314

■ 81.4444, 87.5727,
58.7879

■ 91.0190, 96.4765,
93.5644

■ 77.4604, 83.5483,
45.3025

95.0500, 100.0000,
108.9000

■ 73.9778, 79.7945,
34.2411

■ 70.9680, 76.2993,
25.4554

■ 68.3993, 73.0494,
18.7805

■ 66.2360, 70.0299,
14.0294

■ 64.4357, 67.2232,
10.9818

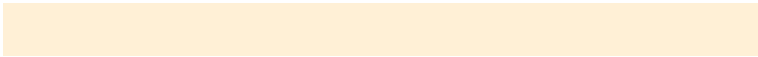
■ 62.9442, 64.6071,
9.3540

■ 62.5666, 63.9131,
9.0389

Harmonies

Analogous

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



91.0141, 91.8747, 76.2705



85.9536, 91.8747, 74.8314



81.4362, 91.8747, 79.6113

Triad

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



85.9536, 91.8747, 74.8314



79.8662, 91.8747, 118.3039



96.6997, 91.8747, 110.8243

Complementary

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



85.9536, 91.8747, 74.8314



70.5066, 72.2533, 104.8379

Split Complementary

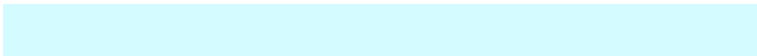
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4893, 91.8747, 123.6854



85.9536, 91.8747, 74.8314



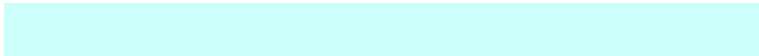
83.7353, 91.8747, 128.2868

Square

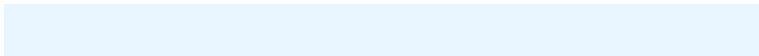
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9536, 91.8747, 74.8314



78.0116, 91.8747, 104.0339



88.7092, 91.8747, 130.3461



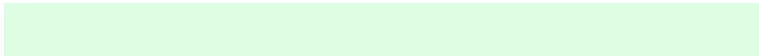
97.3497, 91.8747, 96.1417

Rectangle

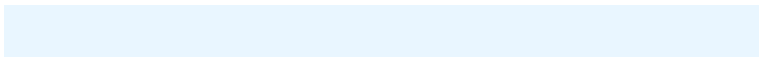
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9536, 91.8747, 74.8314



79.2945, 91.8747, 85.9819



88.7092, 91.8747, 130.3461



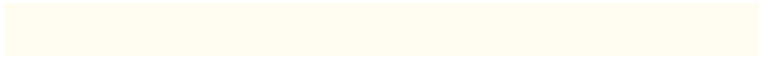
95.8784, 91.8747, 115.5436

Sweetspot

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



85.9558, 91.8787, 74.8333



92.2388, 97.5542, 98.1697



77.5240, 73.0452, 78.0954



19.6608, 20.8084, 20.7018



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

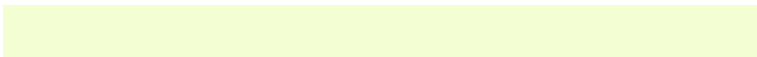
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9558, 91.8787, 74.8333



84.2025, 90.2320, 68.5149



84.3196, 95.1951, 75.5597



19.2274, 20.4229, 19.0730



32.8025, 33.6162, 4.7597



3.2697, 3.4248, 0.4887

Inverse Universe

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



70.5066, 72.2533, 104.8379



65.9012, 66.9852, 104.0638



71.9206, 69.5720, 104.2458



17.3037, 17.9790, 22.8082



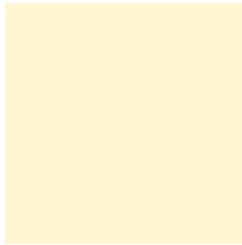
10.1601, 5.2298, 49.9085



1.0626, 0.6560, 4.8839

Previews

White Background



This preview shows how the XYZ color 85.9536, 91.8747, 74.8314 looks on a white background.

Color Contrast Check

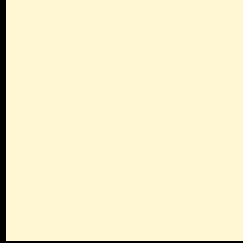
Large Text (above 18pt) WCAG AA × Fail

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 85.9536, 91.8747, 74.8314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

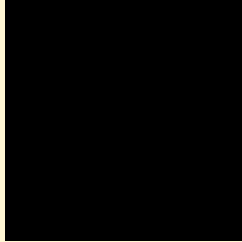
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.9536, 91.8747, 74.8314

Background



This preview shows how black text looks on a background with the XYZ color 85.9536, 91.8747, 74.8314.



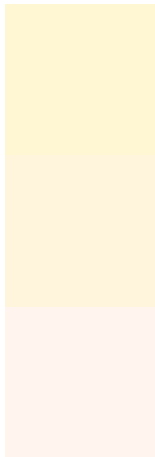
This preview shows how white text looks on a background with the XYZ color 85.9536, 91.8747,

74.8314.

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

85.9536, 91.8747, 74.8314

Protanopia

86.8107, 91.7321, 80.8408

Deuteranopia

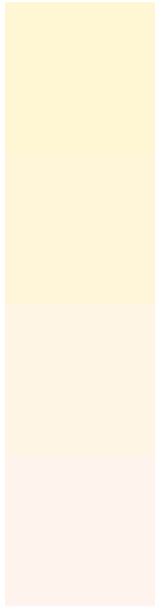
89.0233, 92.1344, 93.9806



Tritanopia

90.7218, 91.8561, 105.8770

Trichromacy



Original Color

85.9536, 91.8747, 74.8314

Protanomaly

86.4168, 91.5746, 78.7666

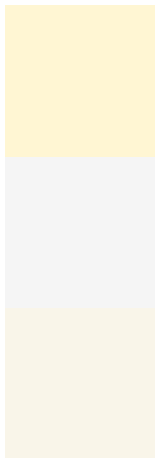
Deuteranomaly

87.8960, 92.1663, 86.5560

Tritanomaly

88.7232, 91.5342, 93.8806

Monochromacy



Original Color

85.9536, 91.8747, 74.8314

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.4273, 91.3277, 90.1636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9536, 91.8747, 74.8314 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, 246, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 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(255, 246, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 211) }
```

Border

The CSS property to change the border of an element to XYZ 85.9536, 91.8747, 74.8314 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, 246, 211) }
```


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

```
.border{ border-color:rgb(255, 246, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9536, 91.8747, 74.8314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 211) }
```

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

```
.background{ background-color: rgb(255,  
246, 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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