

Converting Colors

XYZ(83.8537, 91.2966, 76.0125)

Have a look what the booklet for
XYZ(83.8537, 91.2966, 76.0125)
contains.

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Color

**XYZ(83.9824, 91.2821,
76.1436)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F7D5
RGB	248, 247, 213
RGB Percent	97%, 97%, 84%
CMY	0.0274, 0.0313, 0.1647
CMYK	0.00, 0.00, 0.14, 0.03
HSL	58°, 71%, 90%
HSV	58°, 14%, 97%
XYZ	83.9824, 91.2821, 76.1436
YIQ	243.4230, 11.5100, -10.3620

Conversions

Conversions Part 2

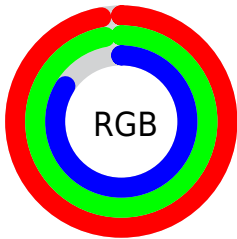
Format	Color
R_{YB}	214, 248, 213
Decimal	16316373
CIE _{Lab}	96.53, -5.23, 16.49
CIE _{LCh}	97, 17.298, 107.612
Y _{xy}	91.2821, 0.3340, 0.3631
Android (android.graphics.Color)	4294506453 (0xFFFF8F7D5)
YUV	243.4230, -14.9985, 4.0140
Hunter-Lab	95.5417, -10.2940, 19.6270

Details

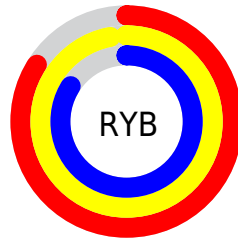
The XYZ color **83.9824, 91.2821, 76.1436** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.4302, 69.0152, 98.5222**, and the grayscale version is **85.6398, 90.0998, 98.1187**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2882, 50.8066, 39.7148** is the 20% darker color. If you saturate the color by 10%, you get **80.8581, 89.6912, 60.7415**, and if you desaturate by 10%, it is **87.5939, 93.0753, 94.0851**.

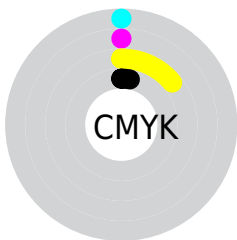
Distribution



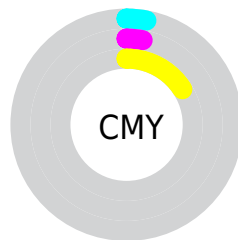
- Red (97%)
- Green (97%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (3%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9824, 91.2821, 76.1436 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 83.9824, 91.2821, 76.1436 by changing the saturation by 10% instead.


 83.9824, 91.2821,
76.1436

 83.9824, 91.2821,
76.1436


496.7893,
532.1927, 501.1990

 63.3206, 69.0445,
56.0429

137.8719,
149.1180, 129.6918

 46.3602, 50.7480,
39.8331


171.8304,
185.4851, 163.9764

 32.7360, 36.0081,
27.0956


210.9517,
227.3308, 203.8261

 22.0825, 24.4404,
17.4120

255.6013,
275.0396, 249.6593

 14.0345, 15.6606,
10.3636

306.1445,
328.9958, 301.8947

 8.2265, 9.2843,
5.5320

362.9466,

 4.2933, 4.9271,

389.5837, 360.9508

2.4985

426.3731,
457.1879, 427.2460

■ 1.8693, 2.2046,
0.8394

■ 0.5589, 0.7225,
0.0000

■ 83.9824, 91.2821,
76.1436

■ 83.9824, 91.2821,
76.1436

■ 80.8581, 89.6912,
60.7415

■ 87.5939, 93.0753,
94.0851

■ 78.1918, 88.2817,
47.7583


■ 90.4571, 94.5674,
108.0935


■ 75.9625, 87.0484,
37.0721


■ 90.6747, 95.0026,
108.1660

■ 74.1446, 85.9809,
28.5486


■ 90.8931, 95.4394,
108.2388


 72.7100, 85.0680,
22.0391


 91.1123, 95.8779,
108.3119


 71.6268, 84.2970,
17.3764


 91.3324, 96.3180,
108.3852


 70.8583, 83.6531,
14.3665

 91.5533, 96.7597,
108.4589

 70.3593, 83.1184,
12.7723

 91.7750, 97.2031,
108.5328

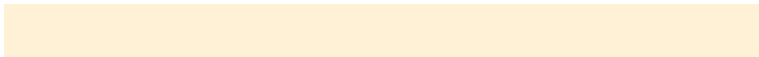
 70.1530, 82.8391,
12.2921

 91.9975, 97.6482,
108.6069

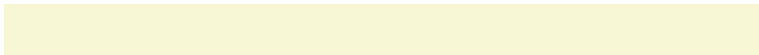
Harmonies

Analogous

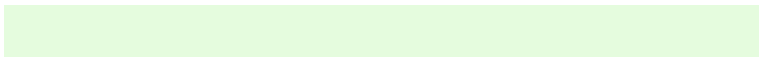
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7677, 91.2821, 75.6198



83.9824, 91.2821, 76.1436



80.0836, 91.2821, 82.5237

Triad

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



83.9824, 91.2821, 76.1436



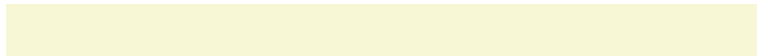
80.6521, 91.2821, 120.3482



96.1472, 91.2821, 105.2040

Complementary

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



83.9824, 91.2821, 76.1436



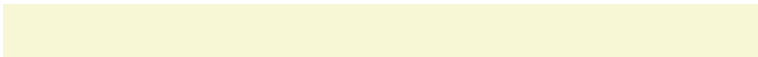
68.4302, 69.0152, 98.5222

Split Complementary

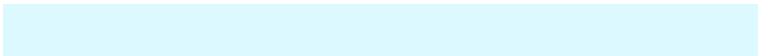
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7994, 91.2821, 118.4123



83.9824, 91.2821, 76.1436



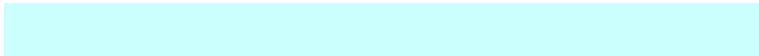
84.7846, 91.2821, 127.6843

Square

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



83.9824, 91.2821, 76.1436



78.2104, 91.2821, 107.6535



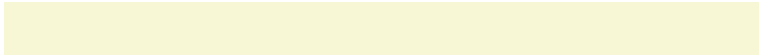
89.6000, 91.2821, 126.9446



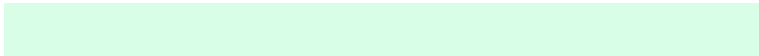
95.9129, 91.2821, 91.5618

Rectangle

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



83.9824, 91.2821, 76.1436



78.4576, 91.2821, 89.6047



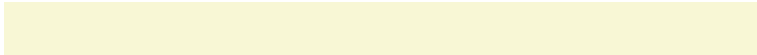
89.6000, 91.2821, 126.9446



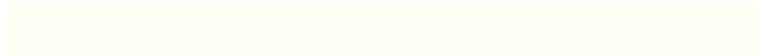
95.6303, 91.2821, 109.8644

Sweetspot

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



83.9848, 91.2861, 76.1456



93.3585, 99.1755, 100.4485



74.6656, 72.4097, 73.7724



19.9165, 21.1953, 21.1708



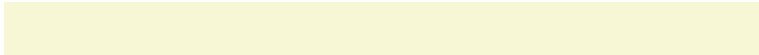
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.9848, 91.2861, 76.1456



88.4478, 96.7323, 76.0656



78.7492, 89.0398, 75.9879



18.6826, 20.1011, 18.3576



37.9150, 44.7867, 6.6464



3.5246, 4.1740, 0.6199

Inverse Universe

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



68.4302, 69.0152, 98.5222



68.8652, 68.6943, 104.2375



73.1582, 71.0799, 98.6716



16.3226, 16.7220, 21.7527



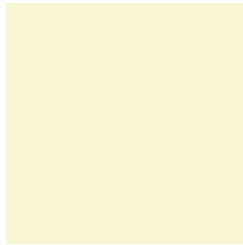
9.2110, 3.7775, 48.2172



0.8666, 0.3768, 4.4702

Previews

White Background



This preview shows how the XYZ color 83.9824, 91.2821, 76.1436 looks on a white background.

Color Contrast Check

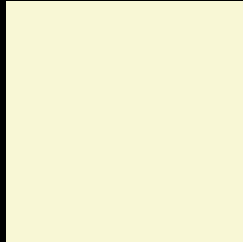
Large Text (above 18pt) WCAG AA × Fail

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 83.9824, 91.2821, 76.1436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

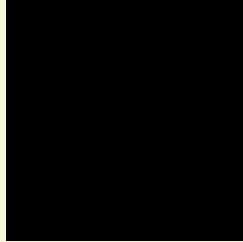
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9824, 91.2821, 76.1436

Background



This preview shows how black text looks on a background with the XYZ color 83.9824, 91.2821, 76.1436.



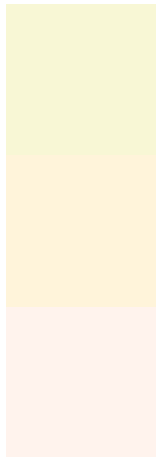
This preview shows how white text looks on a background with the XYZ color 83.9824, 91.2821,

76.1436.

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

83.9824, 91.2821, 76.1436

Protanopia

86.2456, 91.0233, 79.3533

Deuteranopia

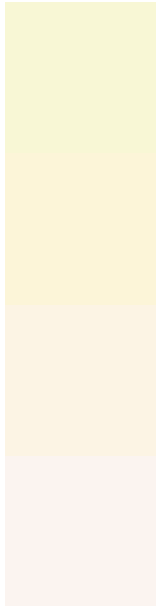
88.5767, 91.4756, 93.1088



Tritanopia

89.9470, 91.4197, 107.5128

Trichromacy



Original Color

83.9824, 91.2821, 76.1436

Protanomaly

85.1920, 90.9581, 78.0323

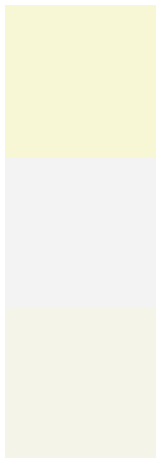
Deuteranomaly

86.4992, 90.9983, 86.4042

Tritanomaly

87.8625, 91.5019, 95.4689

Monochromacy



Original Color

83.9824, 91.2821, 76.1436

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.5724, 89.9400, 89.2467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9824, 91.2821, 76.1436 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, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(248, 247, 213)  
}
```

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, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 247, 213) }
```

Border

The CSS property to change the border of an element to XYZ 83.9824, 91.2821, 76.1436 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, 247, 213) }
```


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

```
.border{ border-color:rgb(248, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(248, 247,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9824, 91.2821, 76.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 247, 213) }
```

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

```
.background{ background-color: rgb(248,  
247, 213) }
```

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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