

Converting Colors

XYZ(122.8154, 110.0639,
83.0814)

Have a look what the booklet for
XYZ(122.8154, 110.0639, 83.0814)
contains.

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Color

**XYZ(86.9436, 91.7853,
81.5405)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5DD
RGB	255, 245, 221
RGB Percent	100%, 96%, 87%
CMY	0.0000, 0.0392, 0.1333
CMYK	0.00, 0.04, 0.13, 0.00
HSL	42°, 100%, 93%
HSV	42°, 13%, 100%
XYZ	86.9436, 91.7853, 81.5405
YIQ	245.2540, 13.6640, -5.3440

Conversions

Conversions Part 2

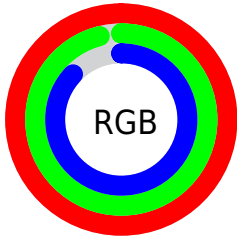
Format	Color
R _Y B	235, 255, 221
Decimal	16774621
CIE Lab	96.73, -0.55, 12.74
CIE LCh	97, 12.756, 92.468
Yxy	91.7853, 0.3341, 0.3527
Android (android.graphics.Color)	4294964701 (0xFFFFF5DD)
YUV	245.2540, -11.9572, 8.5472
Hunter-Lab	95.8046, -5.6677, 16.6008

Details

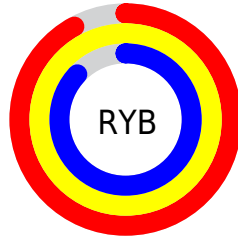
The XYZ color **86.9436, 91.7853, 81.5405** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.4440, 79.7418, 105.9704**, and the grayscale version is **87.0829, 91.6180, 99.7720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3692, 51.1541, 43.4008** is the 20% darker color. If you saturate the color by 10%, you get **81.5794, 86.0873, 64.2446**, and if you desaturate by 10%, it is **92.9200, 97.8812, 101.5887**.

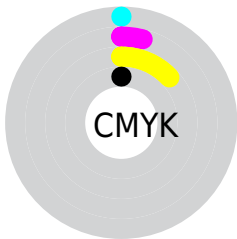
Distribution



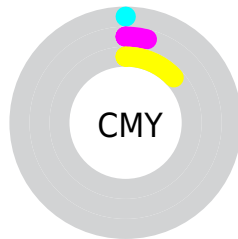
- Red (100%)
- Green (96%)
- Blue (87%)



- Red (92%)
- Yellow (100%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9436, 91.7853, 81.5405 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 86.9436, 91.7853, 81.5405 by changing the saturation by 10% instead.


 86.9436, 91.7853,
81.5405

 86.9436, 91.7853,
81.5405


506.4248,
533.8214, 519.9524

 65.7764, 69.4623,
60.4532


141.9856,
149.8158, 137.3603

 48.3580, 51.0883,
43.3564


176.5911,
186.2921, 172.9300

 34.3229, 36.2789,
29.8314


216.4068,
228.2549, 214.1642

 23.3058, 24.6497,
19.4597

261.7979,
276.0887, 261.4815

 14.9414, 15.8162,
11.8227

313.1300,
330.1779, 315.3004

 8.8643, 9.3942,
6.5020

370.7682,

 4.7092, 4.9992,

390.9068, 376.0395

3.0790

435.0781,
458.6598, 444.1174

■ 2.1107, 2.2468,
1.1351

■ 0.6950, 0.7453,
0.0000

■ 86.9436, 91.7853,
81.5405

■ 86.9436, 91.7853,
81.5405

■ 81.5794, 86.0873,
64.2446

■ 92.9200, 97.8812,
101.5887

■ 76.7968, 80.7642,
49.5725

95.0500, 100.0000,
108.9000

■ 72.5719, 75.8077,
37.3945

■ 68.8763, 71.2047,
27.5671

■ 65.6790, 66.9410,
19.9321

■ 62.9451, 63.0007,
14.3119

■ 60.6345, 59.3659,
10.5009

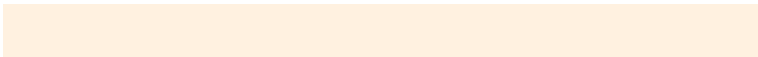
■ 58.6986, 56.0153,
8.2487

■ 57.5699, 53.9198,
7.3733

Harmonies

Analogous

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



90.4538, 91.7853, 83.4855



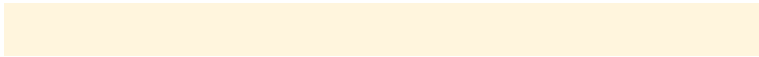
86.9436, 91.7853, 81.5405



83.6025, 91.7853, 84.2395

Triad

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



86.9436, 91.7853, 81.5405



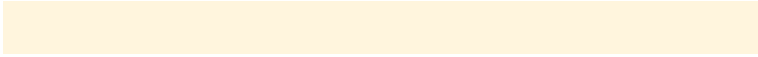
81.5699, 91.7853, 110.8785



93.4748, 91.7853, 109.3129

Complementary

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



86.9436, 91.7853, 81.5405



76.4440, 79.7418, 105.9704

Split Complementary

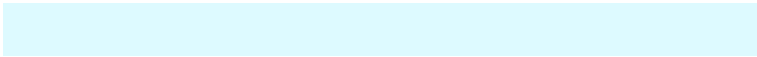
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9798, 91.7853, 117.4762



86.9436, 91.7853, 81.5405



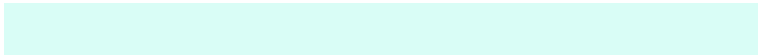
84.1017, 91.7853, 118.4227

Square

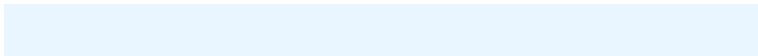
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9436, 91.7853, 81.5405



80.5533, 91.7853, 100.7884



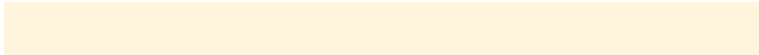
87.5354, 91.7853, 120.9148



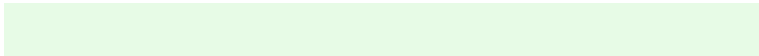
94.2851, 91.7853, 99.0935

Rectangle

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



86.9436, 91.7853, 81.5405



81.9032, 91.7853, 88.4241



87.5354, 91.7853, 120.9148



92.8020, 91.7853, 112.4116

Sweetspot

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



86.9457, 91.7891, 81.5424



92.5018, 97.4622, 100.1629



81.5492, 78.7548, 86.6535



19.6990, 20.7603, 21.0983



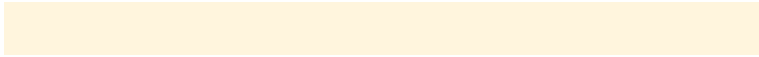
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

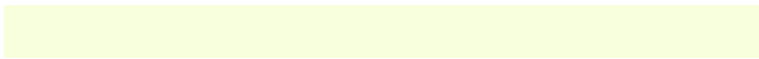
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9457, 91.7891, 81.5424



85.4558, 90.2305, 76.6646



87.5939, 96.7337, 82.4627



19.0838, 20.1358, 19.0251



30.2172, 28.4457, 3.8979



3.0369, 2.9592, 0.4111

Inverse Universe

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



76.4440, 79.7418, 105.9704



73.0889, 76.0441, 105.4335



75.8389, 75.3954, 105.1634



17.4381, 18.2477, 22.8530



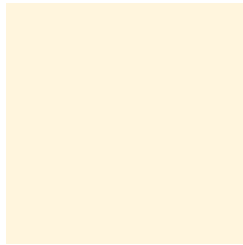
10.8563, 6.6221, 50.1406



1.1468, 0.8243, 4.9119

Previews

White Background



This preview shows how the XYZ color 86.9436, 91.7853, 81.5405 looks on a white background.

Color Contrast Check

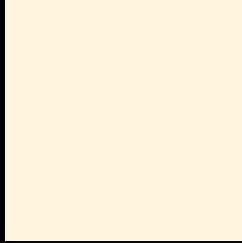
Large Text (above 18pt) WCAG AA × Fail

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 86.9436, 91.7853, 81.5405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

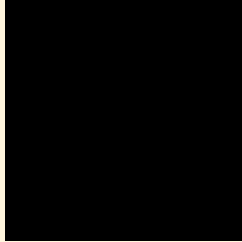
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9436, 91.7853, 81.5405

Background



This preview shows how black text looks on a background with the XYZ color 86.9436, 91.7853, 81.5405.



This preview shows how white text looks on a background with the XYZ color 86.9436, 91.7853,

81.5405.

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

86.9436, 91.7853, 81.5405

Protanopia

87.2117, 91.8925, 82.9525

Deuteranopia

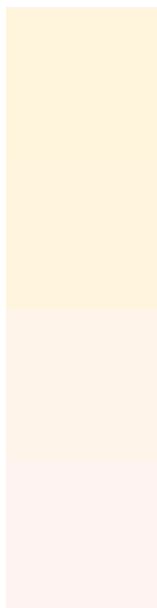
89.0188, 91.6525, 95.4370



Tritanopia

90.8815, 91.9200, 106.7183

Trichromacy



Original Color

86.9436, 91.7853, 81.5405

Protanomaly

87.0772, 91.8387, 82.2444

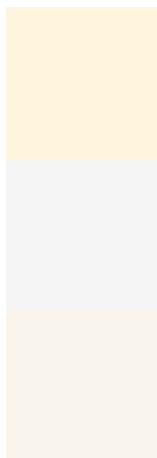
Deuteranomaly

88.2987, 91.8446, 90.1647

Tritanomaly

89.3176, 91.7720, 97.0106

Monochromacy



Original Color

86.9436, 91.7853, 81.5405

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.8597, 91.5007, 92.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9436, 91.7853, 81.5405 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, 245, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 221)  
}
```

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, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 221) }
```

Border

The CSS property to change the border of an element to XYZ 86.9436, 91.7853, 81.5405 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, 245, 221) }
```


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

```
.border{ border-color:rgb(255, 245, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9436, 91.7853, 81.5405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 221) }
```

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

```
.background{ background-color: rgb(255,  
245, 221) }
```

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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