

Converting Colors

XYZ(84.9928, 91.5241, 88.7876)

Have a look what the booklet for XYZ(84.9928, 91.5241, 88.7876) contains.

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Color

**XYZ(84.9928, 91.5241,
88.7876)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F7E7
RGB	244, 247, 231
RGB Percent	96%, 97%, 91%
CMY	0.0431, 0.0313, 0.0941
CMYK	0.01, 0.00, 0.06, 0.03
HSL	71°, 50%, 94%
HSV	71°, 6%, 97%
XYZ	84.9928, 91.5241, 88.7876
YIQ	244.2790, 3.3480, -5.6120

Conversions

Conversions Part 2

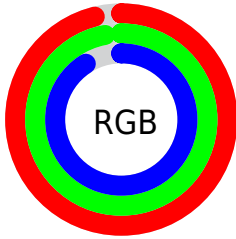
Format	Color
R_{YB}	231, 247, 234
Decimal	16054247
CIE Lab	96.63, -3.75, 7.33
CIE LCh	97, 8.233, 117.063
Yxy	91.5241, 0.3204, 0.3450
Android (android.graphics.Color)	4294244327 (0xFFFF4F7E7)
YUV	244.2790, -6.5465, -0.2447
Hunter-Lab	95.6682, -8.8379, 11.9420

Details

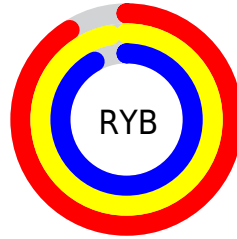
The XYZ color **84.9928, 91.5241, 88.7876** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.2995, 81.3621, 99.5253**, and the grayscale version is **86.2635, 90.7559, 98.8332**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1077, 51.0481, 47.9279** is the 20% darker color. If you saturate the color by 10%, you get **80.1595, 89.4102, 71.6176**, and if you desaturate by 10%, it is **90.2507, 93.8184, 107.9598**.

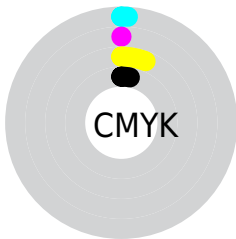
Distribution



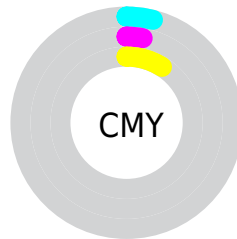
- Red (96%)
- Green (97%)
- Blue (91%)



- Red (91%)
- Yellow (97%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)



- Cyan (4%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9928, 91.5241, 88.7876 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 84.9928, 91.5241, 88.7876 by changing the saturation by 10% instead.

84.9928, 91.5241,
88.7876

84.9928, 91.5241,
88.7876

500.0883,
532.9763, 544.5470

64.1579, 69.2454,
66.4075

139.2772,
149.4536, 147.5739

47.0407, 50.9116,
48.1447

173.4574,
185.8733, 184.8172

33.2759, 36.1383,
33.5807

212.8168,
227.7754, 227.8520

22.4982, 24.5410,
22.2969

257.7206,
275.5443, 277.0968

14.3420, 15.7354,
13.8748

308.5344,
329.5645, 332.9702

8.4422, 9.3371,
7.8959

365.6233,

4.4334, 4.9617,

390.2203, 395.8906

3.9416

429.3528,
457.8961, 466.2767

■ 1.9501, 2.2248,
1.5934

■ 0.6057, 0.7335,
0.2861

■ 84.9928, 91.5241,
88.7876

■ 84.9928, 91.5241,
88.7876

■ 80.1595, 89.4102,
71.6176

■ 90.2507, 93.8184,
107.9598

■ 75.8359, 87.5018,
56.9324

■ 91.9209, 94.6795,
108.0380

■ 72.0020, 85.7940,
44.6185

■ 92.5525, 95.0051,
108.0675

■ 68.6340, 84.2770,
34.5511

■ 65.7057, 82.9405,
26.5940

■ 63.1881, 81.7728,
20.5962

■ 61.0485, 80.7607,
16.3868

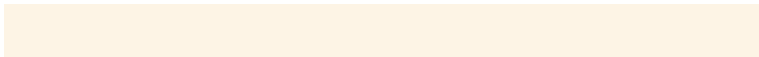
■ 59.2484, 79.8890,
13.7656

■ 57.7401, 79.1382,
12.4817

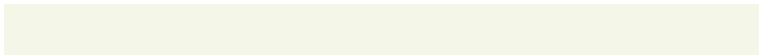
Harmonies

Analogous

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



87.2179, 91.5241, 87.5240



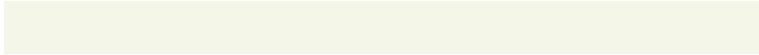
84.9928, 91.5241, 88.7876



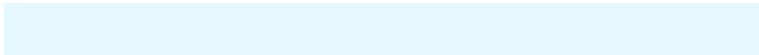
83.3291, 91.5241, 92.9201

Triad

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



84.9928, 91.5241, 88.7876



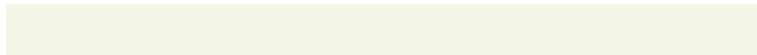
84.6066, 91.5241, 110.6751



91.4862, 91.5241, 100.3051

Complementary

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



84.9928, 91.5241, 88.7876



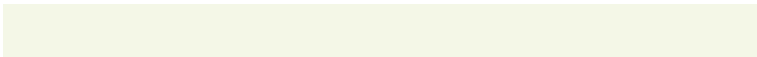
79.2995, 81.3621, 99.5253

Split Complementary

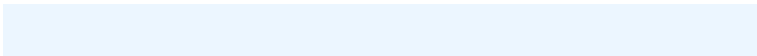
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7585, 91.5241, 106.7060



84.9928, 91.5241, 88.7876



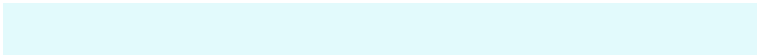
86.7643, 91.5241, 112.8563

Square

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



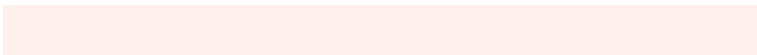
84.9928, 91.5241, 88.7876



83.1089, 91.5241, 105.5330



89.0201, 91.5241, 111.3731



90.9920, 91.5241, 93.9979

Rectangle

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



84.9928, 91.5241, 88.7876



82.7483, 91.5241, 96.8433



89.0201, 91.5241, 111.3731



91.3761, 91.5241, 102.5190

Sweetspot

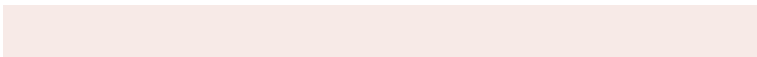
The Sweet Spot groups the original color and five complimentary colors.



84.9953, 91.5281, 88.7896



93.8883, 99.4947, 104.6162



82.1884, 84.3540, 87.5528



20.1082, 21.3013, 22.4370



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.



84.9953, 91.5281, 88.7896



90.5427, 98.0359, 92.4453



82.3018, 90.1395, 88.6635



17.5919, 19.1472, 17.5661



30.3910, 41.7800, 6.4626



2.7480, 3.7117, 0.5716

Inverse Universe

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



79.2995, 81.3621, 99.5253



83.0483, 84.6595, 106.5715



81.9624, 82.7348, 99.6499



15.8714, 16.0763, 20.8091



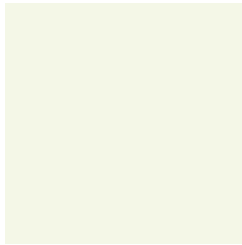
9.5702, 3.9079, 46.7879



0.9185, 0.3834, 4.1158

Previews

White Background



This preview shows how the XYZ color 84.9928, 91.5241, 88.7876 looks on a white background.

Color Contrast Check

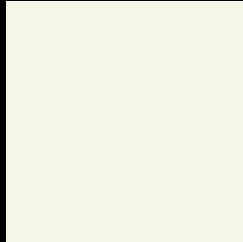
Large Text (above 18pt) WCAG AA × Fail

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 84.9928, 91.5241, 88.7876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

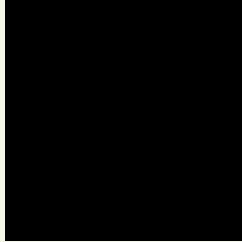
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

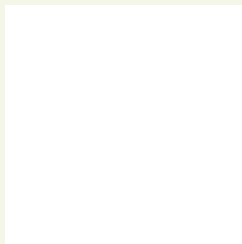
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9928, 91.5241, 88.7876

Background



This preview shows how black text looks on a background with the XYZ color 84.9928, 91.5241, 88.7876.



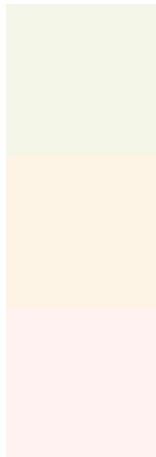
This preview shows how white text looks on a background with the XYZ color 84.9928, 91.5241, 88.7876.

88.7876.

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

84.9928, 91.5241, 88.7876

Protanopia

87.0016, 91.2412, 87.1546

Deuteranopia

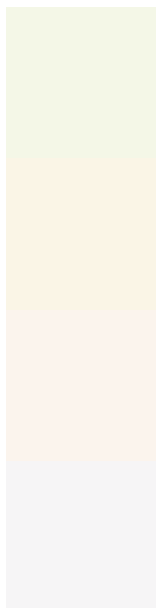
88.8693, 91.1151, 96.1222



Tritanopia

88.7585, 91.6955, 107.6287

Trichromacy



Original Color

84.9928, 91.5241, 88.7876

Protanomaly

86.3597, 91.3420, 87.9420

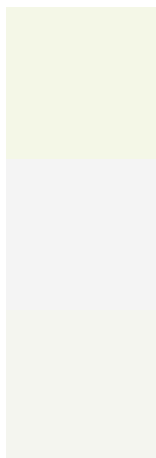
Deuteranomaly

87.4204, 91.3250, 93.1407

Tritanomaly

87.2930, 91.5515, 100.2591

Monochromacy



Original Color

84.9928, 91.5241, 88.7876

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5406, 90.7699, 94.6732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9928, 91.5241, 88.7876 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(244, 247, 231) looks like.

```
.text, #text, p{  
    color:rgb(244, 247, 231)  
}
```

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(244, 247, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 247, 231) }
```

Border

The CSS property to change the border of an element to XYZ 84.9928, 91.5241, 88.7876 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(244, 247, 231) }
```


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

```
.border{ border-color:rgb(244, 247, 231) }
```

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

Here you see how a box with a 4 pixel rgb(244, 247, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 247, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 247, 231);  
box-shadow:4px 4px 4px 4px rgb(244, 247,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9928, 91.5241, 88.7876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 247, 231) }
```

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

```
.background{ background-color: rgb(244,  
247, 231) }
```

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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