

Converting Colors

XYZ(85.3666, 92.4403, 81.1990)

Have a look what the booklet for
XYZ(85.3666, 92.4403, 81.1990)
contains.

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Color

**XYZ(85.1971, 92.2586,
81.0275)**

Conversions

Conversions Part 1

Format	Color
Hex	F8F8DC
RGB	248, 248, 220
RGB Percent	97%, 97%, 86%
CMY	0.0274, 0.0274, 0.1372
CMYK	0.00, 0.00, 0.11, 0.03
HSL	60°, 67%, 92%
HSV	60°, 11%, 97%
XYZ	85.1971, 92.2586, 81.0275
YIQ	244.8080, 8.9880, -8.7080

Conversions

Conversions Part 2

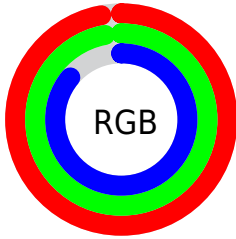
Format	Color
R_{YB}	220, 248, 220
Decimal	16316636
CIE _{Lab}	96.93, -4.66, 13.46
CIE _{LCh}	97, 14.242, 109.078
Yxy	92.2586, 0.3296, 0.3569
Android (android.graphics.Color)	4294506716 (0xFFFF8F8DC)
YUV	244.8080, -12.2303, 2.7994
Hunter-Lab	96.0513, -9.7612, 17.2198

Details

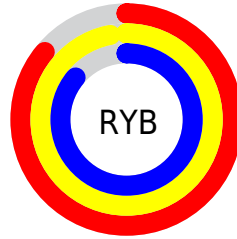
The XYZ color **85.1971, 92.2586, 81.0275** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.0553, 73.1819, 99.1397**, and the grayscale version is **86.7291, 91.2457, 99.3666**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3794, 51.6224, 43.0643** is the 20% darker color. If you saturate the color by 10%, you get **82.1526, 91.0437, 64.9925**, and if you desaturate by 10%, it is **88.7340, 93.6766, 99.6329**.

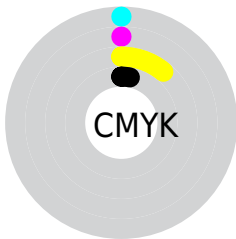
Distribution



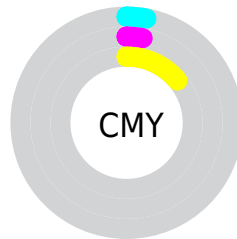
- Red (97%)
- Green (97%)
- Blue (86%)



- Red (86%)
- Yellow (97%)
- Blue (86%)



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.1971, 92.2586, 81.0275 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 85.1971, 92.2586, 81.0275 by changing the saturation by 10% instead.


 85.1971, 92.2586,
81.0275

 85.1971, 92.2586,
81.0275


500.7539,
535.3509, 518.1867

 64.3273, 69.8554,
60.0331


139.5611,
150.4718, 136.6338

 47.1785, 51.4087,
43.0199


173.7861,
187.0505, 172.0828

 33.3853, 36.5340,
29.5692


213.1934,
229.1233, 213.1871

 22.5824, 24.8469,
19.2625

258.1485,
277.0745, 260.3652

 14.4045, 15.9630,
11.6814

309.0168,
331.2884, 314.0357

 8.4861, 9.4980,
6.4072

366.1635,

 4.4619, 5.0674,

392.1496, 374.6170

3.0215

429.9541,
460.0423, 442.5279

■ 1.9666, 2.2869,
1.1056

■ 0.6151, 0.7667,
0.0000

■ 85.1971, 92.2586,
81.0275

■ 85.1971, 92.2586,
81.0275

■ 82.1526, 91.0437,
64.9925

■ 88.7340, 93.6766,
99.6329

■ 79.5716, 90.0111,
51.4093


■ 90.3343, 94.3169,
108.0516


■ 77.4335, 89.1557,
40.1589


■ 90.3358, 94.3177,
108.0517


■ 75.7136, 88.4675,
31.1102


■ 90.3374, 94.3185,
108.0517


 74.3844, 87.9356,
24.1189


 90.3390, 94.3193,
108.0518

 73.4152, 87.5478,
19.0237


 90.3406, 94.3202,
108.0519


 72.7709, 87.2899,
15.6393

 90.3422, 94.3210,
108.0520

 72.4093, 87.1450,
13.7431

 90.3438, 94.3218,
108.0520

 72.2669, 87.0879,
13.0008

 90.3454, 94.3226,
108.0521

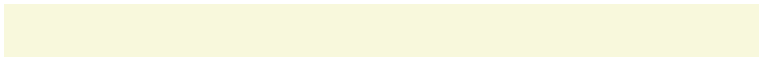
Harmonies

Analogous

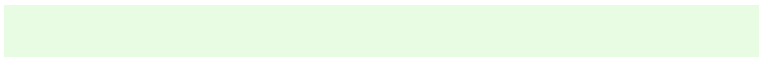
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1555, 92.2586, 80.3263



85.1971, 92.2586, 81.0275



82.0006, 92.2586, 86.6951

Triad

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



85.1971, 92.2586, 81.0275



82.7431, 92.2586, 118.0483



95.4661, 92.2586, 104.6888

Complementary

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



85.1971, 92.2586, 81.0275



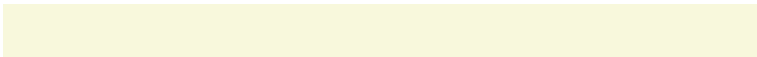
72.0553, 73.1819, 99.1397

Split Complementary

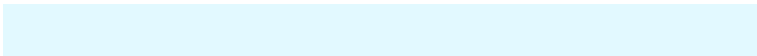
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6346, 92.2586, 115.5965



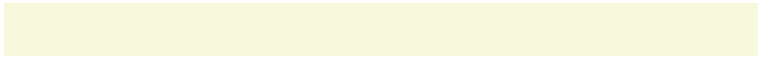
85.1971, 92.2586, 81.0275



86.2387, 92.2586, 123.6908

Square

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



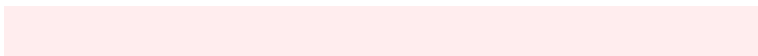
85.1971, 92.2586, 81.0275



80.6139, 92.2586, 107.8330



90.2291, 92.2586, 122.7608



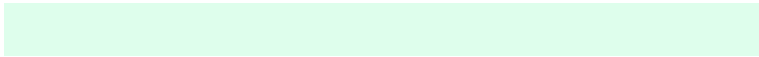
95.1665, 92.2586, 93.4194

Rectangle

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



85.1971, 92.2586, 81.0275



80.6940, 92.2586, 92.7859



90.2291, 92.2586, 122.7608



95.0771, 92.2586, 108.5332

Sweetspot

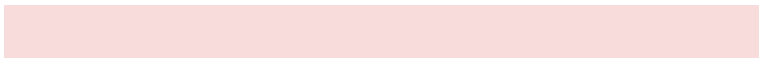
The Sweet Spot groups the original color and five complimentary colors.



85.1996, 92.2626, 81.0295



93.8421, 99.5168, 102.5418



77.2258, 76.3124, 78.3710



20.0187, 21.2737, 21.5937



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.



85.1996, 92.2626, 81.0295



89.8233, 97.9091, 81.3892



80.4208, 89.7991, 80.8058



18.7271, 20.1906, 18.3726



39.0366, 47.0424, 7.0226



3.6156, 4.3570, 0.6504

Inverse Universe

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



72.0553, 73.1819, 99.1397



72.7656, 73.1474, 104.8914



76.4710, 75.4582, 99.3464



16.2834, 16.6432, 21.7395



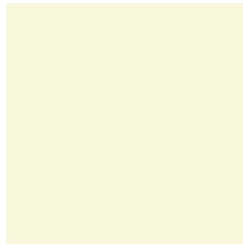
9.1532, 3.6613, 48.1978



0.8478, 0.3392, 4.4640

Previews

White Background



This preview shows how the XYZ color 85.1971, 92.2586, 81.0275 looks on a white background.

Color Contrast Check

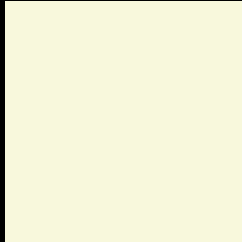
Large Text (above 18pt) WCAG AA × Fail

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 85.1971, 92.2586, 81.0275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

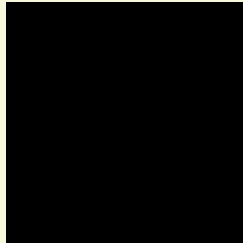
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.1971, 92.2586, 81.0275

Background



This preview shows how black text looks on a background with the XYZ color 85.1971, 92.2586, 81.0275.



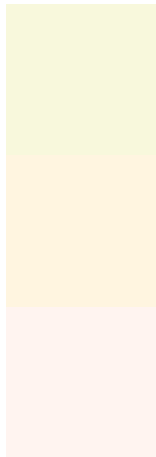
This preview shows how white text looks on a background with the XYZ color 85.1971, 92.2586,

81.0275.

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

85.1971, 92.2586, 81.0275

Protanopia

87.3470, 91.9466, 83.6648

Deuteranopia

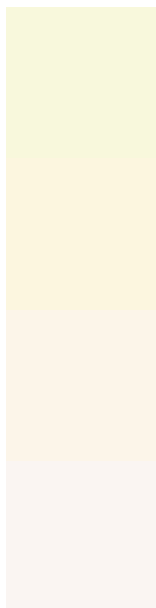
89.3189, 92.2526, 95.5370



Tritanopia

90.1843, 92.4306, 107.6954

Trichromacy



Original Color

85.1971, 92.2586, 81.0275

Protanomaly

86.4199, 91.9347, 83.0024

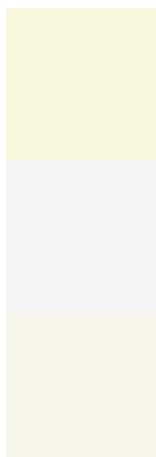
Deuteranomaly

87.5053, 91.8835, 90.2141

Tritanomaly

88.1038, 92.0396, 97.1263

Monochromacy



Original Color

85.1971, 92.2586, 81.0275

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.1021, 91.5605, 92.4918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1971, 92.2586, 81.0275 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, 220) looks like.

```
.text, #text, p{  
    color:rgb(248, 248, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 248, 220) }
```

Border

The CSS property to change the border of an element to XYZ 85.1971, 92.2586, 81.0275 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, 220) }
```


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

```
.border{ border-color:rgb(248, 248, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 248, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 248, 220);  
box-shadow:4px 4px 4px 4px rgb(248, 248,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1971, 92.2586, 81.0275 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, 220) }
```

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

```
.background{ background-color: rgb(248,  
248, 220) }
```

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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