

Converting Colors

XYZ(99.3237, 100.0000,
72.4319)

Have a look what the booklet for
XYZ(99.3237, 100.0000, 72.4319)
contains.

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Color

**XYZ(86.2563, 93.4676,
71.8874)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF9CE
RGB	255, 249, 206
RGB Percent	100%, 98%, 81%
CMY	0.0000, 0.0235, 0.1921
CMYK	0.00, 0.02, 0.19, 0.00
HSL	53°, 100%, 90%
HSV	53°, 19%, 100%
XYZ	86.2563, 93.4676, 71.8874
YIQ	245.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

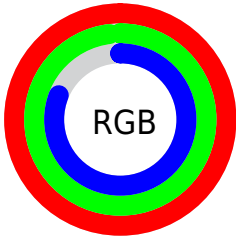
Format	Color
R _Y B	213, 255, 206
Decimal	16775630
CIE Lab	97.42, -4.78, 21.40
CIE LCh	97, 21.923, 102.600
Yxy	93.4676, 0.3428, 0.3715
Android (android.graphics.Color)	4294965710 (0xFFFFF9CE)
YUV	245.8920, -19.6668, 7.9877
Hunter-Lab	96.6786, -9.9306, 23.5887

Details

The XYZ color **86.2563, 93.4676, 71.8874** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.0466, 67.4270, 104.0887**, and the grayscale version is **87.6562, 92.2211, 100.4288**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0262, 52.4127, 37.2912** is the 20% darker color. If you saturate the color by 10%, you get **82.4509, 90.4186, 56.5556**, and if you desaturate by 10%, it is **90.5847, 96.7577, 89.8754**.

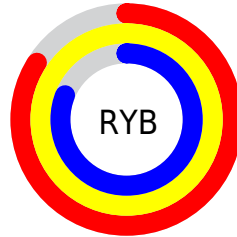
Distribution



Red (100%)

Green (98%)

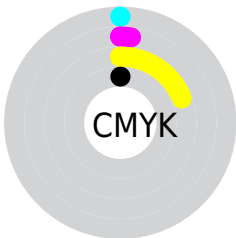
Blue (81%)



Red (84%)

Yellow (100%)

Blue (81%)

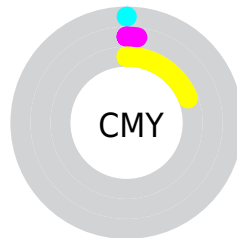


Cyan (0%)

Magenta (2%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.2563, 93.4676, 71.8874 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 86.2563, 93.4676, 71.8874 by changing the saturation by 10% instead.


 86.2563, 93.4676,
71.8874

 86.2563, 93.4676,
71.8874


504.1972,
539.2474, 486.1166

 65.2059, 70.8602,
52.5804


141.0321,
152.1458, 123.6027

 47.8934, 52.2281,
37.0825


175.4882,
188.9855, 156.8480

 33.9534, 37.1869,
24.9751

215.1436,
231.3380, 195.5766

 23.0205, 25.3523,
15.8396

260.3636,
279.5878, 240.2069

 14.7294, 16.3397,
9.2576

311.5136,
334.1192, 291.1576

 8.7148, 9.7649,
4.8105

368.9590,

 4.6112, 5.2433,

395.3167, 348.8470

2.0797

433.0651,
463.5646, 413.6938

■ 2.0534, 2.3907,
0.6037

■ 0.6637, 0.8211,
0.0000

■ 86.2563, 93.4676,
71.8874

■ 86.2563, 93.4676,
71.8874

■ 82.4509, 90.4186,
56.5556

■ 90.5847, 96.7577,
89.8754

■ 79.1377, 87.5889,
43.7466

95.0500, 100.0000,
108.9000

■ 76.2926, 84.9718,
33.3244

■ 73.8868, 82.5556,
25.1378

■ 71.8883, 80.3275,
19.0183

■ 70.2604, 78.2726,
14.7734

■ 68.9597, 76.3734,
12.1746

■ 67.9206, 74.6037,
10.8776

■ 67.8438, 74.4677,
10.7979

Harmonies

Analogous

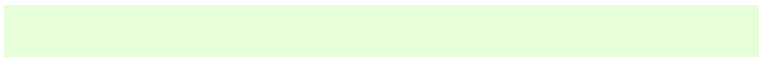
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4603, 93.4676, 72.4774



86.2563, 93.4676, 71.8874



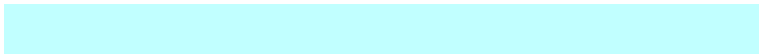
80.9913, 93.4676, 78.5968

Triad

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



86.2563, 93.4676, 71.8874



80.3278, 93.4676, 126.7419



100.7380, 93.4676, 112.3529

Complementary

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



86.2563, 93.4676, 71.8874



67.0466, 67.4270, 104.0887

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.



97.1761, 93.4676, 129.1024



86.2563, 93.4676, 71.8874



85.3119, 93.4676, 138.0519

Square

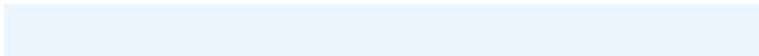
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2563, 93.4676, 71.8874



77.6773, 93.4676, 109.4215



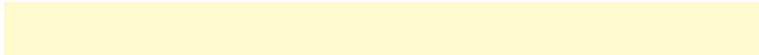
91.4710, 93.4676, 138.9629



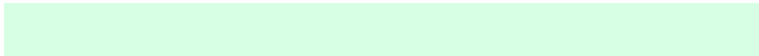
101.0199, 93.4676, 94.4844

Rectangle

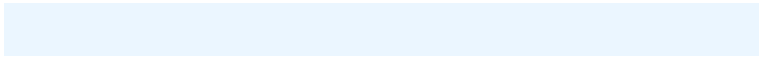
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2563, 93.4676, 71.8874



78.6440, 93.4676, 86.8171



91.4710, 93.4676, 138.9629



99.8772, 93.4676, 118.3489

Sweetspot

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



86.2585, 93.4716, 71.8894



92.0895, 97.8651, 96.2408



75.2631, 70.1841, 72.2220



19.6445, 20.8986, 20.3177



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.



86.2585, 93.4716, 71.8894



84.7575, 92.2891, 65.7801



81.8373, 93.9867, 72.2218



19.3604, 20.6890, 19.1173



35.5247, 39.0607, 5.6671



3.5100, 3.9053, 0.5688

Inverse Universe

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



67.0466, 67.4270, 104.0887



62.3861, 61.9627, 103.2796



70.8524, 67.2058, 103.8454



17.1820, 17.7356, 22.7677



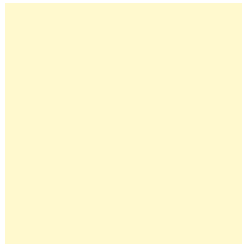
9.7458, 4.4012, 49.7704



1.0030, 0.5366, 4.8640

Previews

White Background



This preview shows how the XYZ color 86.2563, 93.4676, 71.8874 looks on a white background.

Color Contrast Check

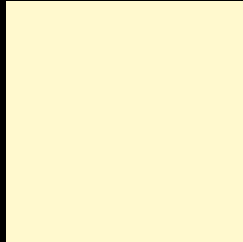
Large Text (above 18pt) WCAG AA × Fail

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 86.2563, 93.4676, 71.8874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

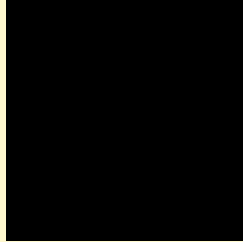
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.2563, 93.4676, 71.8874

Background



This preview shows how black text looks on a background with the XYZ color 86.2563, 93.4676, 71.8874.



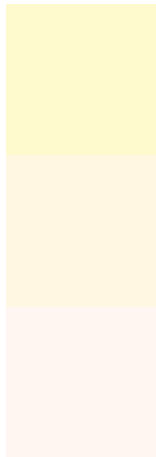
This preview shows how white text looks on a background with the XYZ color 86.2563, 93.4676,

71.8874.

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

86.2563, 93.4676, 71.8874

Protanopia

88.2282, 93.2725, 85.3048

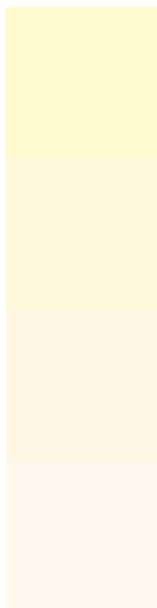
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

91.7818, 93.7206, 107.0184

Trichromacy



Original Color

86.2563, 93.4676, 71.8874

Protanomaly

87.5936, 93.5093, 80.4503

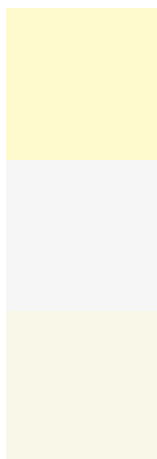
Deuteranomaly

88.5044, 93.3830, 86.7588

Tritanomaly

89.4818, 93.2860, 93.4106

Monochromacy



Original Color

86.2563, 93.4676, 71.8874

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

86.7515, 92.4308, 88.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.2563, 93.4676, 71.8874 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, 249, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 206)  
}
```

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, 249, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 206) }
```

Border

The CSS property to change the border of an element to XYZ 86.2563, 93.4676, 71.8874 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, 249, 206) }
```


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

```
.border{ border-color:rgb(255, 249, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 86.2563, 93.4676, 71.8874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 206) }
```

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

```
.background{ background-color: rgb(255,  
249, 206) }
```

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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