

Converting Colors

XYZ(99.3826, 100.0000,
66.6127)

Have a look what the booklet for
XYZ(99.3826, 100.0000, 66.6127)
contains.

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Color

**XYZ(84.8854, 92.4260,
66.1894)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8C5
RGB	255, 248, 197
RGB Percent	100%, 97%, 77%
CMY	0.0000, 0.0274, 0.2274
CMYK	0.00, 0.03, 0.23, 0.00
HSL	53°, 100%, 89%
HSV	53°, 23%, 100%
XYZ	84.8854, 92.4260, 66.1894
YIQ	244.2790, 20.5430, -14.3770

Conversions

Conversions Part 2

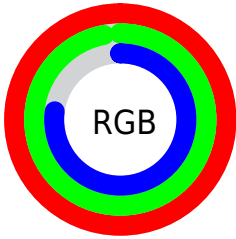
Format	Color
R _Y B	205, 255, 197
Decimal	16775365
CIE Lab	96.99, -5.54, 25.39
CIE LCh	97, 25.991, 102.303
Yxy	92.4260, 0.3486, 0.3796
Android (android.graphics.Color)	4294965445 (0xFFFFF8C5)
YUV	244.2790, -23.3085, 9.4023
Hunter-Lab	96.1384, -10.6358, 26.4769

Details

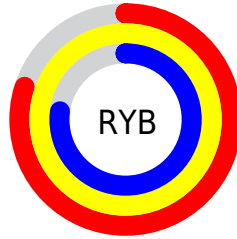
The XYZ color **84.8854, 92.4260, 66.1894** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6684, 62.2743, 103.3249**, and the grayscale version is **86.3837, 90.8824, 98.9709**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **47.0963, 51.6882, 33.4812** is the 20% darker color. If you saturate the color by 10%, you get **81.2704, 89.4829, 51.7680**, and if you desaturate by 10%, it is **89.0148, 95.6061, 83.2229**.

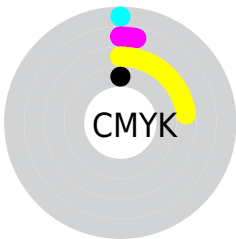
Distribution



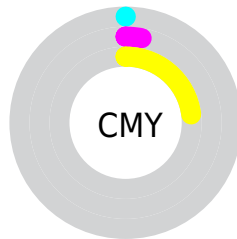
- Red (100%)
- Green (97%)
- Blue (77%)



- Red (80%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8854, 92.4260, 66.1894 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 84.8854, 92.4260, 66.1894 by changing the saturation by 10% instead.

 84.8854, 92.4260,
66.1894

 84.8854, 92.4260,
66.1894


499.7382,
535.8913, 465.4766

 64.0689, 69.9945,
47.9687


139.1279,
150.7037, 115.3877

 46.9683, 51.5221,
33.4423


173.2846,
187.3187, 147.2024

 33.2185, 36.6243,
22.1916

212.6187,
229.4303, 184.3856

 22.4539, 24.9167,
13.7981

257.4956,
277.4229, 227.3557

 14.3093, 16.0150,
7.8432

308.2806,
331.6809, 276.5313

 8.4192, 9.5348,
3.9085

365.3392,

 4.4184, 5.0916,

392.5887, 332.3310

1.5753

429.0366,
460.5307, 395.1732

■ 1.9415, 2.3011,
0.2731

■ 0.6008, 0.7743,
0.0000

■ 84.8854, 92.4260,
66.1894

■ 84.8854, 92.4260,
66.1894

■ 81.2704, 89.4829,
51.7680

■ 89.0148, 95.6061,
83.2229

■ 78.1380, 86.7544,
39.8220

■ 93.6750, 99.0202,
102.9843

■ 75.4634, 84.2336,
30.2109

95.0500, 100.0000,
108.9000

■ 73.2168, 81.9085,
22.7780

■ 71.3647, 79.7656,
17.3473

■ 69.8684, 77.7893,
13.7155

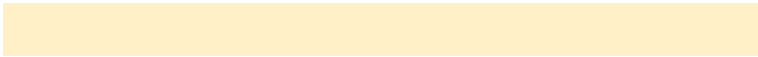
■ 68.6810, 75.9607,
11.6360

■ 67.9632, 74.7064,
10.8377

Harmonies

Analogous

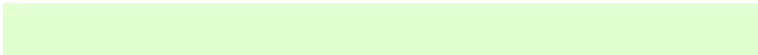
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1932, 92.4260, 66.9343



84.8854, 92.4260, 66.1894



78.7183, 92.4260, 73.6889

Triad

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



84.8854, 92.4260, 66.1894



77.8514, 92.4260, 130.2526



101.9394, 92.4260, 113.3838

Complementary

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



84.8854, 92.4260, 66.1894



62.6684, 62.2743, 103.3249

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.



97.6580, 92.4260, 133.4625



84.8854, 92.4260, 66.1894



83.6418, 92.4260, 144.0923

Square

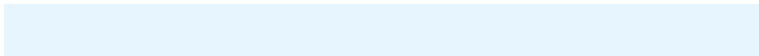
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8854, 92.4260, 66.1894



74.8110, 92.4260, 109.4648



90.8790, 92.4260, 145.3425



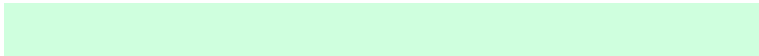
102.3182, 92.4260, 92.2956

Rectangle

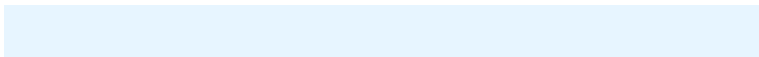
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8854, 92.4260, 66.1894



75.9747, 92.4260, 83.0515



90.8790, 92.4260, 145.3425



100.8984, 92.4260, 120.5428

Sweetspot

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



84.8877, 92.4301, 66.1913



91.6252, 97.5376, 94.2332



72.1942, 65.5885, 66.4450



19.5510, 20.8328, 19.9129



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.



84.8877, 92.4301, 66.1913



83.2873, 91.1484, 59.7417



79.6827, 92.9988, 66.5754



19.3633, 20.6947, 19.1183



35.5862, 39.1837, 5.6876



3.5153, 3.9161, 0.5706

Inverse Universe

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



62.6684, 62.2743, 103.3249



57.7287, 56.4631, 102.4636



67.0104, 62.1003, 103.0625



17.1794, 17.7304, 22.7668



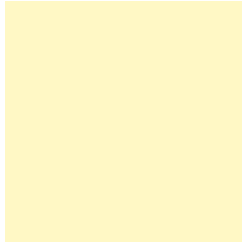
9.7391, 4.3878, 49.7682



1.0018, 0.5342, 4.8636

Previews

White Background



This preview shows how the XYZ color 84.8854, 92.4260, 66.1894 looks on a white background.

Color Contrast Check

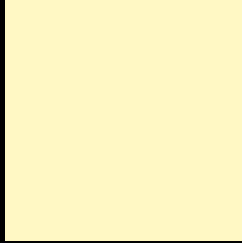
Large Text (above 18pt) WCAG AA × Fail

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 84.8854, 92.4260, 66.1894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

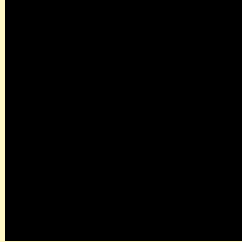
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.8854, 92.4260, 66.1894

Background



This preview shows how black text looks on a background with the XYZ color 84.8854, 92.4260, 66.1894.



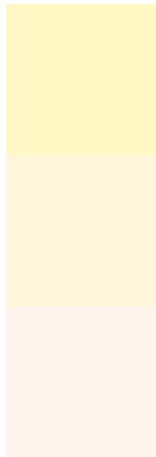
This preview shows how white text looks on a background with the XYZ color 84.8854, 92.4260,

66.1894.

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

84.8854, 92.4260, 66.1894

Protanopia

87.1140, 92.3388, 80.9419

Deuteranopia

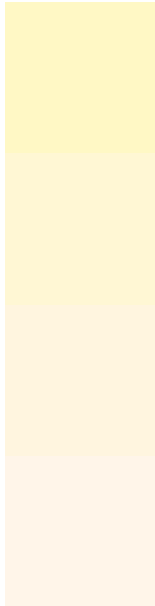
89.0233, 92.1344, 93.9806



Tritanopia

91.0202, 92.4530, 105.9764

Trichromacy



Original Color

84.8854, 92.4260, 66.1894

Protanomaly

86.3844, 92.5350, 75.5954

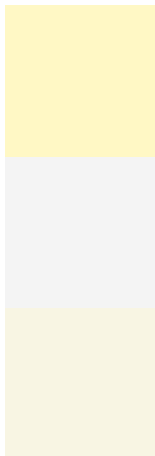
Deuteranomaly

87.2117, 91.8925, 82.9525

Tritanomaly

88.6004, 92.4480, 90.2653

Monochromacy



Original Color

84.8854, 92.4260, 66.1894

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.2289, 90.8073, 85.7086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8854, 92.4260, 66.1894 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, 248, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 197)  
}
```

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, 248, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 197) }
```

Border

The CSS property to change the border of an element to XYZ 84.8854, 92.4260, 66.1894 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, 248, 197) }
```


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

```
.border{ border-color:rgb(255, 248, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8854, 92.4260, 66.1894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 197) }
```

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

```
.background{ background-color: rgb(255,  
248, 197) }
```

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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