

Converting Colors

XYZ(84.1466, 90.6820, 66.7644)

Have a look what the booklet for
XYZ(84.1466, 90.6820, 66.7644)
contains.

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Color

**XYZ(84.0855, 90.6420,
66.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C6
RGB	255, 245, 198
RGB Percent	100%, 96%, 78%
CMY	0.0000, 0.0392, 0.2235
CMYK	0.00, 0.04, 0.22, 0.00
HSL	49°, 100%, 89%
HSV	49°, 22%, 100%
XYZ	84.0855, 90.6420, 66.4900
YIQ	242.6320, 21.0470, -12.4970

Conversions

Conversions Part 2

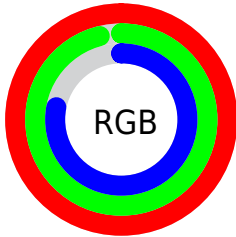
Format	Color
R _Y B	210, 255, 198
Decimal	16774598
CIE Lab	96.26, -3.90, 23.88
CIE LCh	96, 24.193, 99.280
Yxy	90.6420, 0.3486, 0.3758
Android (android.graphics.Color)	4294964678 (0xFFFFF5C6)
YUV	242.6320, -22.0036, 10.8467
Hunter-Lab	95.2061, -8.9604, 25.2373

Details

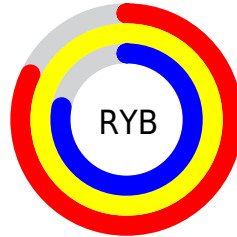
The XYZ color **84.0855, 90.6420, 66.4900** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.8941, 64.3358, 103.6582**, and the grayscale version is **85.0584, 89.4880, 97.4524**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5203, 50.4146, 33.6647** is the 20% darker color. If you saturate the color by 10%, you get **80.0526, 86.8937, 51.8360**, and if you desaturate by 10%, it is **88.6505, 94.6617, 83.7667**.

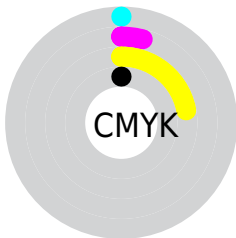
Distribution



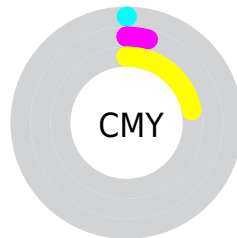
- Red (100%)
- Green (96%)
- Blue (78%)



- Red (82%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0855, 90.6420, 66.4900 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 84.0855, 90.6420, 66.4900 by changing the saturation by 10% instead.


 84.0855, 90.6420,
66.4900

 84.0855, 90.6420,
66.4900


497.1265,
530.1170, 466.5792

 63.4060, 68.5132,
48.2113


138.0154,
148.2298, 115.8230

 46.4296, 50.3154,
33.6331


171.9965,
184.4577, 147.7144

 32.7910, 35.6641,
22.3368

211.1422,
226.1541, 184.9805

 22.1249, 24.1749,
13.9039

255.8178,
273.7033, 228.0397

 14.0658, 15.4634,
7.9159

306.3886,
327.4898, 277.3106

 8.2484, 9.1452,
3.9542

363.2201,

 4.3075, 4.8360,

387.8980, 333.2118

1.6002

426.6776,
455.3123, 396.1619

■ 1.8775, 2.1514,
0.2910

■ 0.5637, 0.6933,
0.0000

■ 84.0855, 90.6420,
66.4900

■ 84.0855, 90.6420,
66.4900

■ 80.0526, 86.8937,
51.8360

■ 88.6505, 94.6617,
83.7667

■ 76.5206, 83.3945,
39.6683

■ 93.7646, 98.9505,
103.7817

■ 73.4643, 80.1372,
29.8471

■ 95.0500, 100.0000,
108.9000

■ 70.8539, 77.1095,
22.2161

■ 68.6559, 74.2976,
16.6001

■ 66.8318, 71.6857,
12.7971

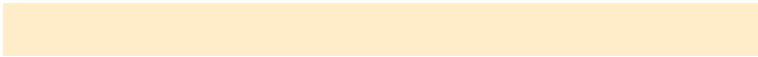
■ 65.3348, 69.2547,
10.5628

■ 64.3581, 67.4963,
9.6360

Harmonies

Analogous

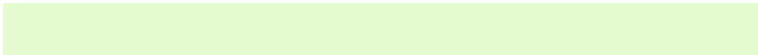
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8058, 90.6420, 67.9682



84.0855, 90.6420, 66.4900



78.2276, 90.6420, 72.7292

Triad

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



84.0855, 90.6420, 66.4900



76.5320, 90.6420, 124.0270



98.8129, 90.6420, 112.3751

Complementary

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



84.0855, 90.6420, 66.4900



63.8941, 64.3358, 103.6582

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.



94.5953, 90.6420, 130.2016



84.0855, 90.6420, 66.4900



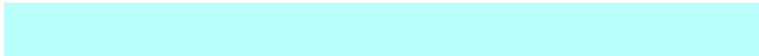
81.6609, 90.6420, 137.5128

Square

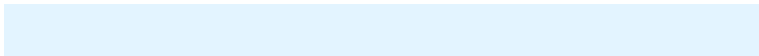
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0855, 90.6420, 66.4900



74.0183, 90.6420, 104.7825



88.2531, 90.6420, 139.9085



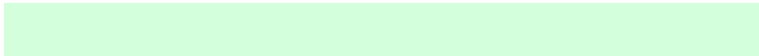
99.5453, 90.6420, 92.8455

Rectangle

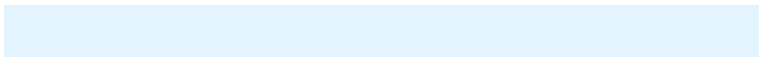
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0855, 90.6420, 66.4900



75.5143, 90.6420, 80.9696



88.2531, 90.6420, 139.9085



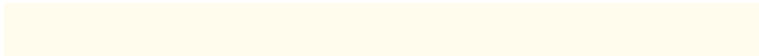
97.7457, 90.6420, 118.8322

Sweetspot

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



84.0876, 90.6459, 66.4919



91.3177, 96.9225, 94.1307



72.8754, 66.2255, 68.9082



19.4796, 20.6900, 19.8891



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

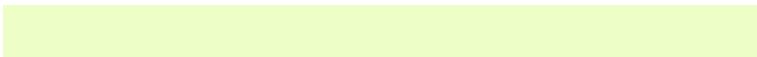
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0876, 90.6459, 66.4919



82.1480, 88.8697, 59.3619



80.8619, 93.5934, 67.2308



19.2743, 20.5169, 19.0886



33.7274, 35.4661, 5.0680



3.3518, 3.5890, 0.5161

Inverse Universe

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



63.8941, 64.3358, 103.6582



58.5810, 58.1676, 102.7477



66.5787, 62.2159, 103.1075



17.2604, 17.8925, 22.7938



9.9903, 4.8901, 49.8519



1.0400, 0.6108, 4.8763

Previews

White Background



This preview shows how the XYZ color 84.0855, 90.6420, 66.4900 looks on a white background.

Color Contrast Check

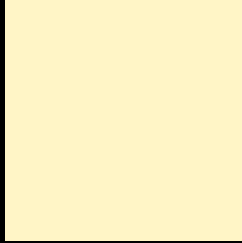
Large Text (above 18pt) WCAG AA × Fail

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 84.0855, 90.6420, 66.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

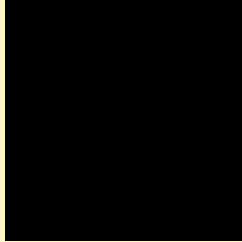
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0855, 90.6420, 66.4900

Background



This preview shows how black text looks on a background with the XYZ color 84.0855, 90.6420, 66.4900.



This preview shows how white text looks on a background with the XYZ color 84.0855, 90.6420,

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

84.0855, 90.6420, 66.4900

Protanopia

85.4743, 90.7148, 75.2921

Deuteranopia

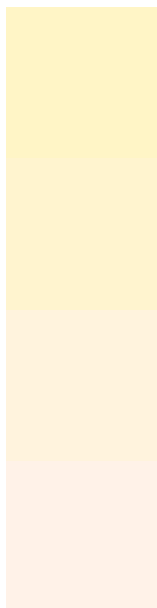
87.8434, 90.7048, 90.7198



Tritanopia

89.8127, 90.5452, 104.0101

Trichromacy



Original Color

84.0855, 90.6420, 66.4900

Protanomaly

84.8532, 90.4664, 72.0210

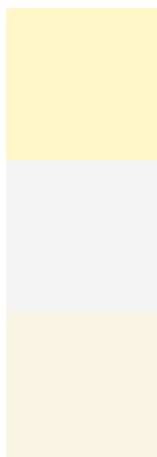
Deuteranomaly

86.3417, 90.5816, 81.3399

Tritanomaly

87.5576, 90.5905, 89.2149

Monochromacy



Original Color

84.0855, 90.6420, 66.4900

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.5736, 90.0216, 85.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0855, 90.6420, 66.4900 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 198) }
```

Border

The CSS property to change the border of an element to XYZ 84.0855, 90.6420, 66.4900 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, 198) }
```


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

```
.border{ border-color:rgb(255, 245, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0855, 90.6420, 66.4900 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
245, 198) }
```

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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