

Converting Colors

XYZ(90.7052, 108.1977,
72.0450)

Have a look what the booklet for
XYZ(90.7052, 108.1977, 72.0450)
contains.

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Color

**XYZ(84.0769, 95.1967,
69.8206)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFCA
RGB	245, 255, 202
RGB Percent	96%, 100%, 79%
CMY	0.0392, 0.0000, 0.2078
CMYK	0.04, 0.00, 0.21, 0.00
HSL	71°, 100%, 90%
HSV	71°, 21%, 100%
XYZ	84.0769, 95.1967, 69.8206
YIQ	245.9680, 11.0530, -18.6030

Conversions

Conversions Part 2

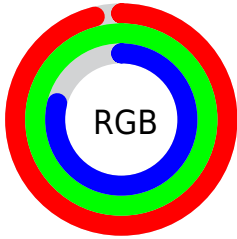
Format	Color
R_{YB}	202, 255, 212
Decimal	16121802
CIE Lab	98.11, -11.89, 24.28
CIE LCh	98, 27.034, 116.093
Yxy	95.1967, 0.3375, 0.3822
Android (android.graphics.Color)	4294311882 (0xFFFF5FFCA)
YUV	245.9680, -21.6762, -0.8489
Hunter-Lab	97.5688, -16.9285, 25.8700

Details

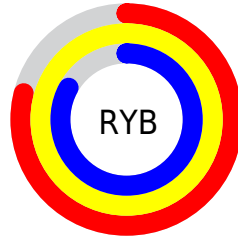
The XYZ color **84.0769, 95.1967, 69.8206** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.3228, 63.4593, 103.3610**, and the grayscale version is **87.7343, 92.3033, 100.5183**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2784, 53.2177, 35.8499** is the 20% darker color. If you saturate the color by 10%, you get **79.6460, 93.2330, 55.1333**, and if you desaturate by 10%, it is **89.0516, 97.3831, 87.1403**.

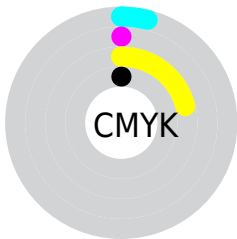
Distribution



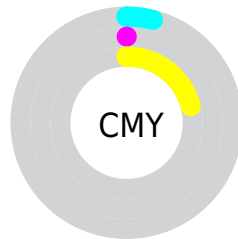
- Red (96%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (83%)



- Cyan (4%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0769, 95.1967, 69.8206 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 84.0769, 95.1967, 69.8206 by changing the saturation by 10% instead.


 84.0769, 95.1967,
69.8206

 84.0769, 95.1967,
69.8206


497.0984,
544.7945, 478.6919

 63.3989, 72.2987,
50.9044


138.0034,
154.5363, 120.6316

 46.4238, 53.4027,
35.7563


171.9827,
191.7467, 153.3635

 32.7864, 38.1244,
23.9579


211.1263,
234.4967, 191.5376

 22.1213, 26.0792,
15.0905

255.7997,
283.1707, 235.5727

 14.0632, 16.8829,
8.7356

306.3683,
338.1531, 285.8871

 8.2466, 10.1510,
4.4747

363.1973,

 4.3063, 5.4992,

399.8283, 342.8994

1.8892

426.6523,
468.5806, 407.0282

■ 1.8768, 2.5430,
0.4858

■ 0.5633, 0.8981,
0.0000

■ 84.0769, 95.1967,
69.8206

■ 84.0769, 95.1967,
69.8206

■ 79.6460, 93.2330,
55.1333

■ 89.0516, 97.3831,
87.1403

■ 75.7323, 91.4812,
42.9452

94.5914, 99.8006,
107.2083

■ 72.3095, 89.9306,
33.1179

95.0500, 100.0000,
108.9000

■ 69.3482, 88.5696,
25.4978

■ 66.8153, 87.3848,
19.9131

■ 64.6731, 86.3612,
16.1667

■ 62.8765, 85.4806,
14.0227

■ 61.4612, 84.7695,
13.1228

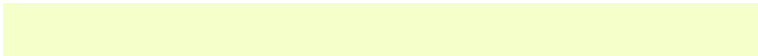
Harmonies

Analogous

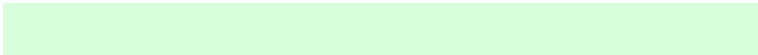
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5019, 95.1967, 66.6013



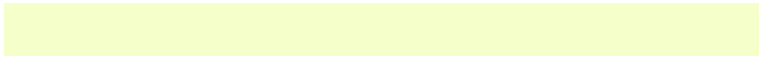
84.0769, 95.1967, 69.8206



78.6556, 95.1967, 81.5980

Triad

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



84.0769, 95.1967, 69.8206



82.4116, 95.1967, 143.3128



106.1974, 95.1967, 106.5914

Complementary

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



84.0769, 95.1967, 69.8206



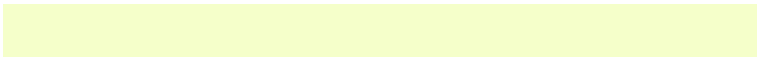
66.3228, 63.4593, 103.3610

Split Complementary

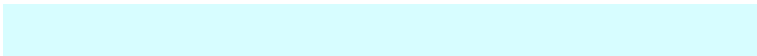
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4373, 95.1967, 129.3620



84.0769, 95.1967, 69.8206



89.4690, 95.1967, 152.3925

Square

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



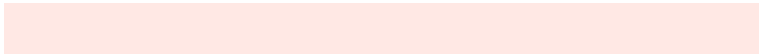
84.0769, 95.1967, 69.8206



77.7334, 95.1967, 123.6050



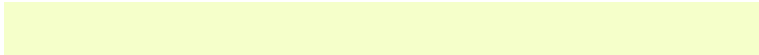
97.2036, 95.1967, 146.9560



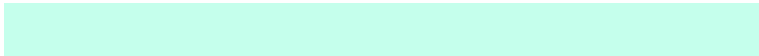
104.5526, 95.1967, 85.9727

Rectangle

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



84.0769, 95.1967, 69.8206



76.7585, 95.1967, 93.7192



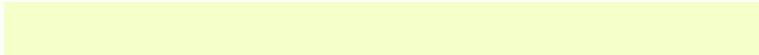
97.2036, 95.1967, 146.9560



105.7500, 95.1967, 114.2651

Sweetspot

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



84.0775, 95.1970, 69.8220



91.6296, 98.5101, 96.3896



75.3741, 72.4707, 65.8941



19.5355, 21.0516, 20.3530



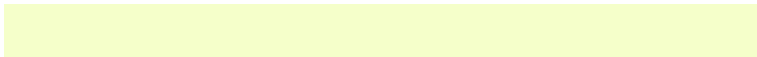
0.0000, 0.0000, 0.0000



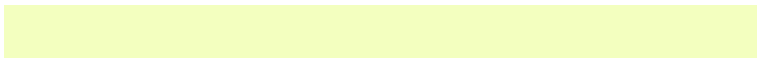
20.3446, 21.4041, 23.3091

Same Dimension

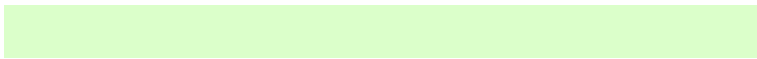
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0775, 95.1970, 69.8220



82.1441, 94.3424, 63.3150



75.5697, 90.8111, 69.4238



19.2055, 20.9074, 19.1676



32.2350, 44.3558, 6.8626



3.2213, 4.3614, 0.6721

Inverse Universe

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



66.3228, 63.4593, 103.3610



61.4397, 57.3263, 102.4346



74.5040, 67.6769, 103.7439



17.3227, 17.5426, 22.7230



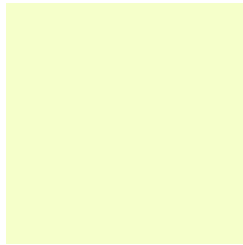
10.1620, 4.1492, 49.6999



1.0703, 0.4457, 4.8429

Previews

White Background



This preview shows how the XYZ color 84.0769, 95.1967, 69.8206 looks on a white background.

Color Contrast Check

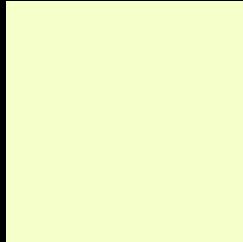
Large Text (above 18pt) WCAG AA × Fail

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 84.0769, 95.1967, 69.8206 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

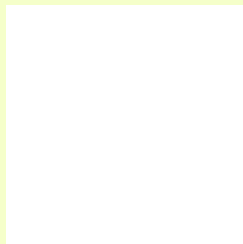
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0769, 95.1967, 69.8206

Background



This preview shows how black text looks on a background with the XYZ color 84.0769, 95.1967, 69.8206.

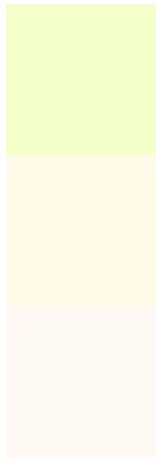


This preview shows how white text looks on a background with the XYZ color 84.0769, 95.1967,

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

84.0769, 95.1967, 69.8206

Protanopia

89.8237, 94.8946, 90.6731

Deuteranopia

91.1365, 94.9265, 99.1072

Tritanopia

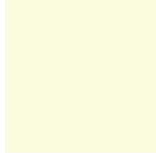
91.4011, 94.8640, 108.1010

Trichromacy



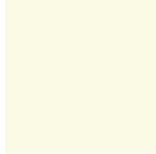
Original Color

84.0769, 95.1967, 69.8206



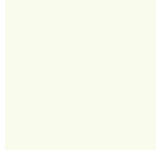
Protanomaly

87.4657, 94.7775, 82.7912



Deuteranomaly

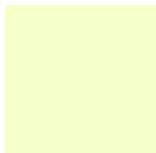
88.4237, 95.1607, 87.8362



Tritanomaly

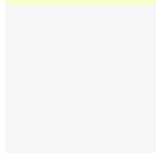
88.7044, 95.1902, 93.0552

Monochromacy



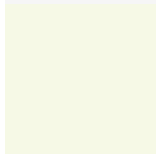
Original Color

84.0769, 95.1967, 69.8206



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.1646, 93.0574, 88.2834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0769, 95.1967, 69.8206 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(245, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 202)  
}
```

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(245, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 84.0769, 95.1967, 69.8206 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(245, 255, 202) }
```


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

```
.border{ border-color:rgb(245, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(245, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0769, 95.1967, 69.8206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 202) }
```

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

```
.background{ background-color: rgb(245,  
255, 202) }
```

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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