

Converting Colors

XYZ(86.9091, 100.0000,
71.0782)

Have a look what the booklet for
XYZ(86.9091, 100.0000, 71.0782)
contains.

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Color

**XYZ(84.5455, 95.4246,
70.4627)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFCB
RGB	246, 255, 203
RGB Percent	96%, 100%, 80%
CMY	0.0353, 0.0000, 0.2039
CMYK	0.04, 0.00, 0.20, 0.00
HSL	70°, 100%, 90%
HSV	70°, 20%, 100%
XYZ	84.5455, 95.4246, 70.4627
YIQ	246.3810, 11.3280, -18.0800

Conversions

Conversions Part 2

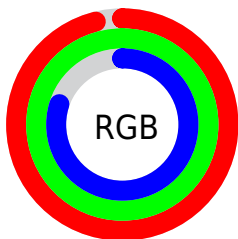
Format	Color
R_{YB}	203, 255, 212
Decimal	16187339
CIE _{Lab}	98.20, -11.39, 23.91
CIE _{LCh}	98, 26.484, 115.478
Yxy	95.4246, 0.3376, 0.3810
Android (android.graphics.Color)	4294377419 (0xFFFF6FFCB)
YUV	246.3810, -21.3868, -0.3341
Hunter-Lab	97.6855, -16.4603, 25.6127

Details

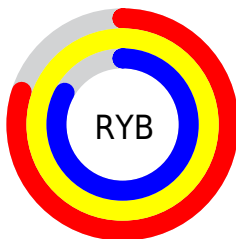
The XYZ color **84.5455, 95.4246, 70.4627** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.5583, 63.9302, 103.4395**, and the grayscale version is **88.0664, 92.6527, 100.8988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6052, 53.3769, 36.2802** is the 20% darker color. If you saturate the color by 10%, you get **80.2224, 93.5187, 55.6806**, and if you desaturate by 10%, it is **89.4063, 97.5499, 87.8817**.

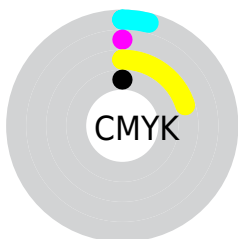
Distribution



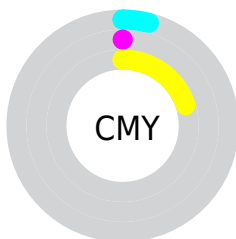
- Red (96%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (83%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5455, 95.4246, 70.4627 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 84.5455, 95.4246, 70.4627 by changing the saturation by 10% instead.


 84.5455, 95.4246,
70.4627

 84.5455, 95.4246,
70.4627


498.6293,
545.5234, 481.0059

 63.7871, 72.4884,
51.4247


138.6553,
154.8511, 121.5557

 46.7393, 53.5578,
36.1676


172.7375,
192.1102, 154.4477

 33.0367, 38.2482,
24.2730


211.9916,
234.9123, 192.7948

 22.3139, 26.1754,
15.3222


256.7830,
283.6420, 237.0156

 14.2057, 16.9549,
8.8967

307.4772,
338.6835, 287.5286

 8.3465, 10.2023,
4.5780

364.4394,

 4.3711, 5.5333,

400.4214, 344.7522

1.9475

428.0350,
469.2398, 409.1052

■ 1.9142, 2.5634,
0.5227

■ 0.5850, 0.9083,
0.0000

■ 84.5455, 95.4246,
70.4627

■ 84.5455, 95.4246,
70.4627

■ 80.2224, 93.5187,
55.6806

■ 89.4063, 97.5499,
87.8817

■ 76.4109, 91.8216,
43.4028

94.8262, 99.9032,
108.0531

■ 73.0846, 90.3227,
33.4911

95.0500, 100.0000,
108.9000

■ 70.2143, 89.0105,
25.7925

■ 67.7673, 87.8717,
20.1363

■ 65.7061, 86.8913,
16.3265

■ 63.9860, 86.0514,
14.1290

■ 62.5858, 85.3492,
13.1754

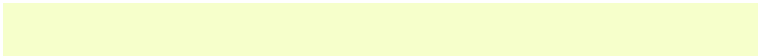
Harmonies

Analogous

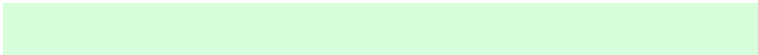
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8572, 95.4246, 67.4598



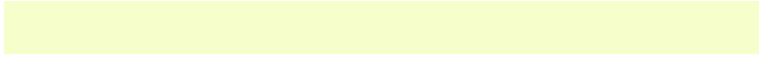
84.5455, 95.4246, 70.4627



79.1636, 95.4246, 81.9064

Triad

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



84.5455, 95.4246, 70.4627



82.6523, 95.4246, 142.4135



106.0885, 95.4246, 107.2415

Complementary

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



84.5455, 95.4246, 70.4627



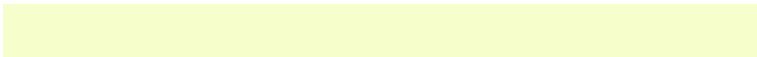
66.5583, 63.9302, 103.4395

Split Complementary

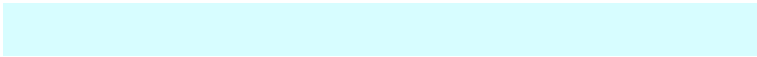
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3022, 95.4246, 129.5182



84.5455, 95.4246, 70.4627



89.5490, 95.4246, 151.5507

Square

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



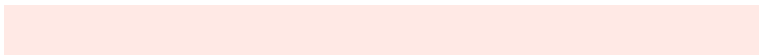
84.5455, 95.4246, 70.4627



78.1142, 95.4246, 122.9999



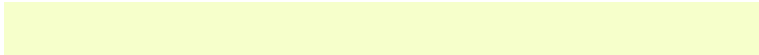
97.1424, 95.4246, 146.5309



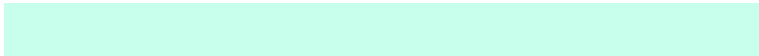
104.5659, 95.4246, 86.8894

Rectangle

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



84.5455, 95.4246, 70.4627



77.2520, 95.4246, 93.7391



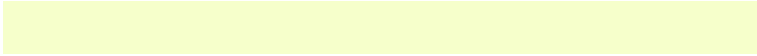
97.1424, 95.4246, 146.5309



105.6206, 95.4246, 114.7723

Sweetspot

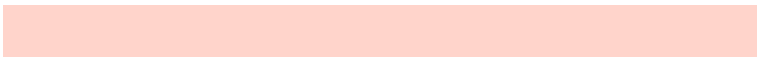
The Sweet Spot groups the original color and five complimentary colors.



84.5460, 95.4249, 70.4641



91.7161, 98.5547, 96.3936



75.4805, 72.4933, 66.5157



19.5560, 21.0622, 20.3539



0.0000, 0.0000, 0.0000



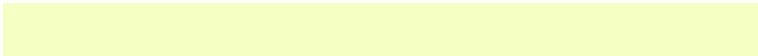
20.3446, 21.4041, 23.3091

Same Dimension

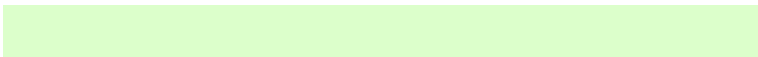
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5460, 95.4249, 70.4641



82.9251, 94.7122, 64.8319



76.1564, 91.0998, 70.0715



19.2346, 20.9224, 19.1690



32.8155, 44.6551, 6.8897



3.2727, 4.3879, 0.6745

Inverse Universe

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



66.5583, 63.9302, 103.4395



62.3067, 58.6074, 102.6362



74.5548, 68.0525, 103.8137



17.2960, 17.5288, 22.7218



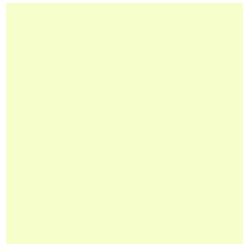
10.0619, 4.0976, 49.6952



1.0568, 0.4387, 4.8423

Previews

White Background



This preview shows how the XYZ color 84.5455, 95.4246, 70.4627 looks on a white background.

Color Contrast Check

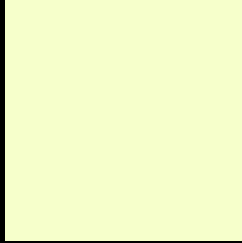
Large Text (above 18pt) WCAG AA × Fail

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 84.5455, 95.4246, 70.4627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

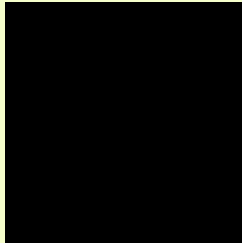
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.5455, 95.4246, 70.4627

Background



This preview shows how black text looks on a background with the XYZ color 84.5455, 95.4246, 70.4627.



This preview shows how white text looks on a background with the XYZ color 84.5455, 95.4246,

Color Blindness Simulation

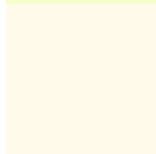
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



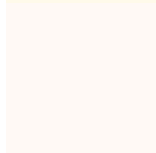
Original Color

84.5455, 95.4246, 70.4627



Protanopia

90.2769, 95.5717, 91.5310



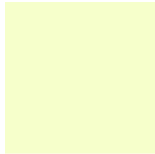
Deuteranopia

91.5971, 95.6039, 100.0119

Tritanopia

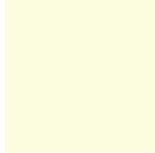
91.7093, 95.4806, 108.2037

Trichromacy



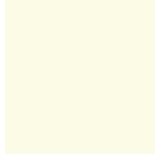
Original Color

84.5455, 95.4246, 70.4627



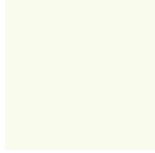
Protanomaly

88.2746, 95.6440, 83.6206



Deuteranomaly

88.9250, 95.4030, 88.5907



Tritanomaly

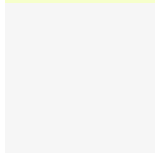
88.7044, 95.1902, 93.0552

Monochromacy



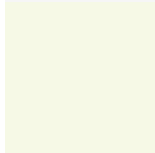
Original Color

84.5455, 95.4246, 70.4627



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 84.5455, 95.4246, 70.4627 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(246, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 203)  
}
```

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(246, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 84.5455, 95.4246, 70.4627 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(246, 255, 203) }
```


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

```
.border{ border-color:rgb(246, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5455, 95.4246, 70.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 203) }
```

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

```
.background{ background-color: rgb(246,  
255, 203) }
```

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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