

Converting Colors

XYZ(86.5056, 100.0000,
64.5354)

Have a look what the booklet for
XYZ(86.5056, 100.0000, 64.5354)
contains.

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Color

**XYZ(84.3413, 95.4655,
63.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFC0
RGB	249, 255, 192
RGB Percent	98%, 100%, 75%
CMY	0.0235, 0.0000, 0.2470
CMYK	0.02, 0.00, 0.25, 0.00
HSL	66°, 100%, 88%
HSV	66°, 25%, 100%
XYZ	84.3413, 95.4655, 63.8506
YIQ	246.0240, 16.6470, -20.8650

Conversions

Conversions Part 2

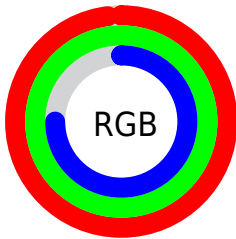
Format	Color
R_{YB}	192, 255, 198
Decimal	16383936
CIE _{Lab}	98.22, -11.85, 29.53
CIE _{LCh}	98, 31.816, 111.868
Yxy	95.4655, 0.3461, 0.3918
Android (android.graphics.Color)	4294574016 (0xFFFF9FFC0)
YUV	246.0240, -26.6338, 2.6100
Hunter-Lab	97.7064, -16.9031, 29.6488

Details

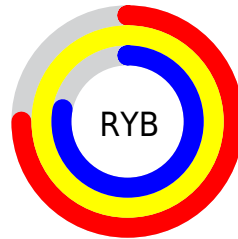
The XYZ color **84.3413, 95.4655, 63.8506** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.1894, 56.9263, 102.4233**, and the grayscale version is **87.8151, 92.3883, 100.6109**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **46.5198, 53.4296, 31.9058** is the 20% darker color. If you saturate the color by 10%, you get **80.8960, 93.9880, 50.1963**, and if you desaturate by 10%, it is **88.2882, 97.1449, 80.0863**.

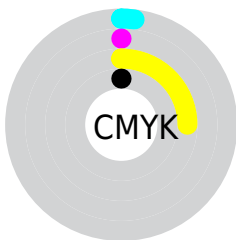
Distribution



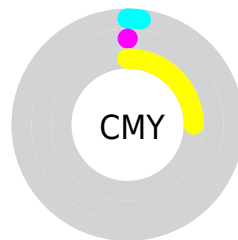
- Red (98%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (78%)



- Cyan (2%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3413, 95.4655, 63.8506 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 84.3413, 95.4655, 63.8506 by changing the saturation by 10% instead.


 84.3413, 95.4655,
63.8506

 84.3413, 95.4655,
63.8506

497.9625,
545.6542, 456.8426

 63.6179, 72.5225,
46.0843

 138.3713,
154.9076, 111.9931

 46.6018, 53.5856,
31.9632


172.4086,
192.1754, 143.2064

 32.9276, 38.2704,
21.0688


211.6146,
234.9869, 179.7391

 22.2300, 26.1927,
12.9826

256.3547,
283.7265, 222.0098

 14.1435, 16.9678,
7.2860

306.9941,
338.7787, 270.4369

 8.3029, 10.2116,
3.5604

363.8984,

 4.3428, 5.5394,

400.5278, 325.4390

1.3874

427.4327,
469.3581, 387.4348

■ 1.8978, 2.5671,
0.1319

■ 0.5756, 0.9102,
0.0000

■ 84.3413, 95.4655,
63.8506

■ 84.3413, 95.4655,
63.8506

■ 80.8960, 93.9880,
50.1963

■ 88.2882, 97.1449,
80.0863

■ 77.9259, 92.7019,
38.9863

■ 92.7589, 99.0351,
99.0226

■ 75.4036, 91.5962,
30.0773

95.0500, 100.0000,
108.9000

■ 73.2989, 90.6588,
23.3090

■ 71.5773, 89.8760,
18.5010

■ 70.1990, 89.2317,
15.4432

■ 69.1149, 88.7063,
13.8773

■ 68.6230, 88.4615,
13.4580

Harmonies

Analogous

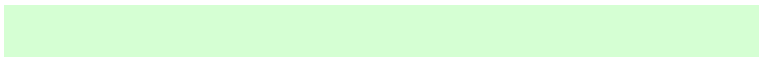
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2482, 95.4655, 61.6235



84.3413, 95.4655, 63.8506



77.5914, 95.4655, 75.8375

Triad

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



84.3413, 95.4655, 63.8506



80.3026, 95.4655, 148.8236



109.2893, 95.4655, 111.2362

Complementary

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



84.3413, 95.4655, 63.8506



60.1894, 56.9263, 102.4233

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.



105.2895, 95.4655, 138.2606



84.3413, 95.4655, 63.8506



88.2715, 95.4655, 162.2209

Square

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



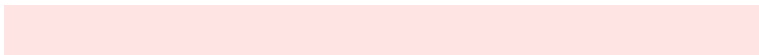
84.3413, 95.4655, 63.8506



75.3712, 95.4655, 123.8627



97.4483, 95.4655, 158.0611



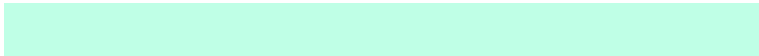
108.0612, 95.4655, 86.2871

Rectangle

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



84.3413, 95.4655, 63.8506



75.0251, 95.4655, 89.0422



97.4483, 95.4655, 158.0611



108.5025, 95.4655, 120.4257

Sweetspot

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



84.3417, 95.4657, 63.8519



91.6853, 98.5822, 94.4316



70.7782, 65.1130, 58.7082



19.5650, 21.0756, 19.9591



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

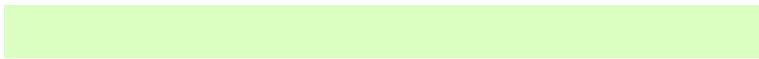
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3417, 95.4657, 63.8519



82.4564, 94.6588, 56.3082



74.2634, 90.2701, 63.3803



19.3806, 20.9977, 19.1758



35.9269, 46.2591, 7.0353



3.5456, 4.5286, 0.6872

Inverse Universe

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



60.1894, 56.9263, 102.4233



54.2677, 49.6724, 101.3353



69.1338, 61.5374, 102.8419



17.1634, 17.4605, 22.7155



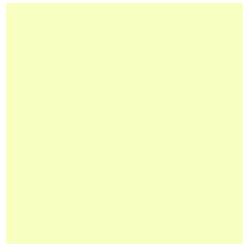
9.6850, 3.9033, 49.6775



0.9943, 0.4065, 4.8393

Previews

White Background



This preview shows how the XYZ color 84.3413, 95.4655, 63.8506 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 84.3413, 95.4655, 63.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

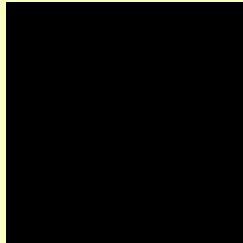
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.3413, 95.4655, 63.8506

Background



This preview shows how black text looks on a background with the XYZ color 84.3413, 95.4655, 63.8506.

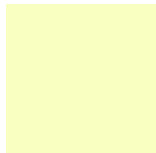


This preview shows how white text looks on a background with the XYZ color 84.3413, 95.4655,

Color Blindness Simulation

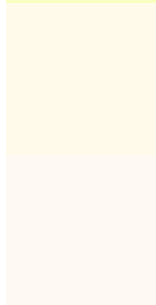
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.3413, 95.4655, 63.8506



Protanopia

90.2769, 95.5717, 91.5310

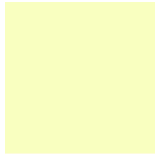
Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

92.1254, 95.2374, 108.1349

Trichromacy



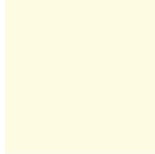
Original Color

84.3413, 95.4655, 63.8506



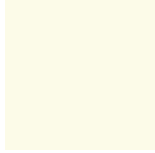
Protanomaly

88.1046, 95.6179, 80.8303



Deuteranomaly

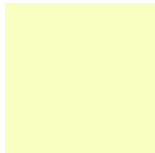
88.5958, 95.3132, 84.9620



Tritanomaly

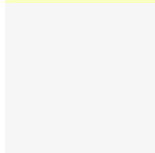
89.2076, 95.5160, 90.0786

Monochromacy



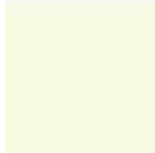
Original Color

84.3413, 95.4655, 63.8506



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

85.9609, 93.0165, 85.3749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3413, 95.4655, 63.8506 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(249, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 192)  
}
```

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(249, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 84.3413, 95.4655, 63.8506 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(249, 255, 192) }
```


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

```
.border{ border-color:rgb(249, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3413, 95.4655, 63.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 192) }
```

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

```
.background{ background-color: rgb(249,  
255, 192) }
```

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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