

Converting Colors

XYZ(86.7088, 100.0000,
65.2231)

Have a look what the booklet for
XYZ(86.7088, 100.0000, 65.2231)
contains.

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Color

**XYZ(84.4526, 95.5100,
64.4362)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFC1
RGB	249, 255, 193
RGB Percent	98%, 100%, 76%
CMY	0.0235, 0.0000, 0.2431
CMYK	0.02, 0.00, 0.24, 0.00
HSL	66°, 100%, 88%
HSV	66°, 24%, 100%
XYZ	84.4526, 95.5100, 64.4362
YIQ	246.1380, 16.3260, -20.5540

Conversions

Conversions Part 2

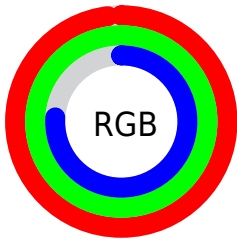
Format	Color
R_{YB}	193, 255, 199
Decimal	16383937
CIE Lab	98.24, -11.72, 29.05
CIE LCh	98, 31.321, 111.966
Yxy	95.5100, 0.3456, 0.3908
Android (android.graphics.Color)	4294574017 (0xFFF9FFC1)
YUV	246.1380, -26.1970, 2.5100
Hunter-Lab	97.7292, -16.7755, 29.3185

Details

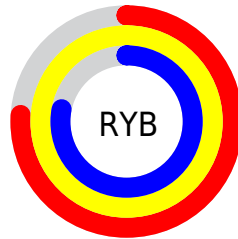
The XYZ color **84.4526, 95.5100, 64.4362** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.6741, 57.5033, 102.5091**, and the grayscale version is **87.9043, 92.4821, 100.7130**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **46.5925, 53.4587, 32.2890** is the 20% darker color. If you saturate the color by 10%, you get **80.9749, 94.0180, 50.6826**, and if you desaturate by 10%, it is **88.4333, 97.2046, 80.7762**.

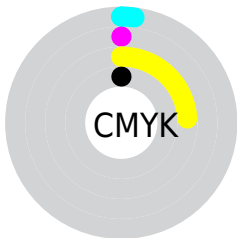
Distribution



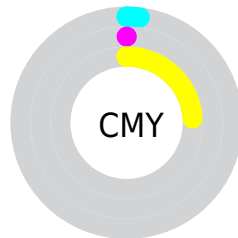
- Red (98%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (78%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.4526, 95.5100, 64.4362 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 84.4526, 95.5100, 64.4362 by changing the saturation by 10% instead.

84.4526, 95.5100,
64.4362

84.4526, 95.5100,
64.4362

498.3260,
545.7964, 459.0138

63.7101, 72.5595,
46.5556

138.5261,
154.9690, 112.8444

46.6768, 53.6159,
32.3327

172.5879,
192.2463, 144.2091

32.9871, 38.2946,
21.3488

211.8201,
235.0680, 180.9056

22.2757, 26.2114,
13.1855

256.5882,
283.8185, 223.3524

14.1774, 16.9819,
7.4242

307.2575,
338.8822, 271.9681

8.3267, 10.2216,
3.6463

364.1933,

4.3582, 5.5461,

400.6435, 327.1712

1.4334

427.7610,
469.4868, 389.3802

■ 1.9067, 2.5711,
0.1676

■ 0.5807, 0.9122,
0.0000

■ 84.4526, 95.5100,
64.4362

■ 84.4526, 95.5100,
64.4362

■ 80.9749, 94.0180,
50.6826

■ 88.4333, 97.2046,
80.7762

■ 77.9736, 92.7179,
39.3788

■ 92.9390, 99.1105,
99.8216

■ 75.4218, 91.5989,
30.3818

95.0500, 100.0000,
108.9000

■ 73.2891, 90.6488,
23.5323

■ 71.5413, 89.8541,
18.6506

■ 70.1389, 89.1987,
15.5280

■ 69.0331, 88.6634,
13.9089

■ 68.4974, 88.3967,
13.4521

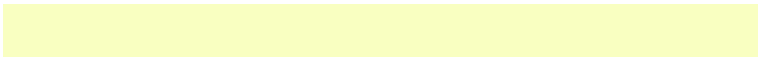
Harmonies

Analogous

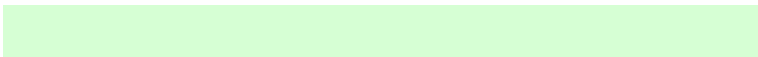
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2220, 95.5100, 62.1989



84.4526, 95.5100, 64.4362



77.8073, 95.5100, 76.3243

Triad

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



84.4526, 95.5100, 64.4362



80.5192, 95.5100, 148.1689



109.0352, 95.5100, 111.0830

Complementary

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



84.4526, 95.5100, 64.4362



60.6741, 57.5033, 102.5091

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.



105.1186, 95.5100, 137.6536



84.4526, 95.5100, 64.4362



88.3798, 95.5100, 161.2595

Square

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



84.4526, 95.5100, 64.4362



75.6432, 95.5100, 123.6774



97.4145, 95.5100, 157.1227



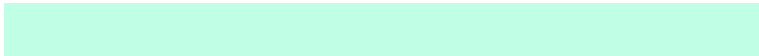
107.8110, 95.5100, 86.5186

Rectangle

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



84.4526, 95.5100, 64.4362



75.2838, 95.5100, 89.3792



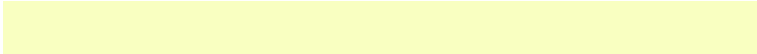
97.4145, 95.5100, 157.1227



108.2675, 95.5100, 120.1212

Sweetspot

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



84.4531, 95.5102, 64.4376



91.6754, 98.5771, 94.4312



71.0986, 65.5757, 59.3635



19.5627, 21.0744, 19.9589



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

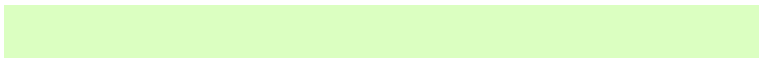
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4531, 95.5102, 64.4376



82.7618, 94.7862, 57.6765



74.5496, 90.4048, 63.9741



19.3777, 20.9962, 19.1757



35.8622, 46.2257, 7.0323



3.5400, 4.5257, 0.6870

Inverse Universe

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



60.6741, 57.5033, 102.5091



55.3738, 51.0056, 101.5343



69.4871, 62.0465, 102.9216



17.1660, 17.4618, 22.7157



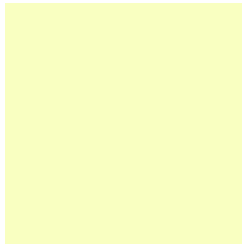
9.6905, 3.9061, 49.6778



0.9955, 0.4071, 4.8394

Previews

White Background



This preview shows how the XYZ color 84.4526, 95.5100, 64.4362 looks on a white background.

Color Contrast Check

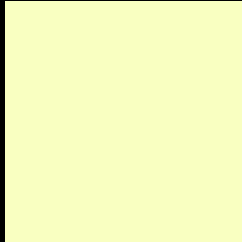
Large Text (above 18pt) WCAG AA × Fail

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 84.4526, 95.5100, 64.4362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

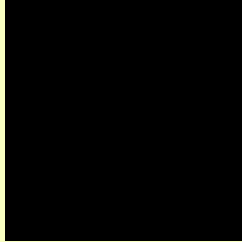
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4526, 95.5100, 64.4362

Background



This preview shows how black text looks on a background with the XYZ color 84.4526, 95.5100, 64.4362.



This preview shows how white text looks on a background with the XYZ color 84.4526, 95.5100,

Color Blindness Simulation

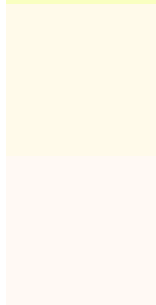
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

84.4526, 95.5100, 64.4362



Protanopia

90.2769, 95.5717, 91.5310

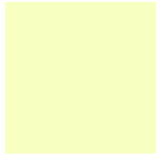
Deuteranopia

91.4448, 95.5430, 99.2099

Tritanopia

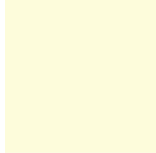
92.1254, 95.2374, 108.1349

Trichromacy



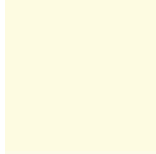
Original Color

84.4526, 95.5100, 64.4362



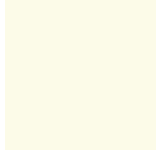
Protanomaly

88.1046, 95.6179, 80.8303



Deuteranomaly

88.5958, 95.3132, 84.9620



Tritanomaly

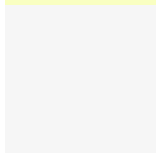
89.2076, 95.5160, 90.0786

Monochromacy



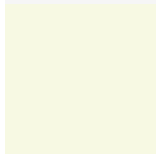
Original Color

84.4526, 95.5100, 64.4362



Achromatopsia

87.5964, 92.1582, 100.3603



Achromatomaly

86.0986, 93.0716, 86.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4526, 95.5100, 64.4362 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 84.4526, 95.5100, 64.4362 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, 193) }
```


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

```
.border{ border-color:rgb(249, 255, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4526, 95.5100, 64.4362 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, 193) }
```

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

```
.background{ background-color: rgb(249,  
255, 193) }
```

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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