

# Converting Colors

XYZ(82.2562, 100.0000,  
66.1264)

Have a look what the booklet for  
XYZ(82.2562, 100.0000, 66.1264)  
contains.

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# Color

**XYZ(78.4526, 92.4040,  
64.7398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FFC2
RGB	231, 255, 194
RGB Percent	91%, 100%, 76%
CMY	0.0941, 0.0000, 0.2392
CMYK	0.09, 0.00, 0.24, 0.00
HSL	84°, 100%, 88%
HSV	84°, 24%, 100%
XYZ	78.4526, 92.4040, 64.7398
YIQ	240.8700, 5.2770, -24.0590

# Conversions

## Conversions Part 2

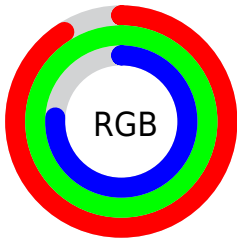
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 255, 218
Decimal	15204290
CIELab	96.99, -17.98, 26.62
CIElCh	97, 32.129, 124.037
Yxy	92.4040, 0.3330, 0.3922
Android (android.graphics.Color)	4293394370 (0xFFE7FFC2)
YUV	240.8700, -23.1069, -8.6560
Hunter-Lab	96.1270, -22.5422, 27.3582

# Details

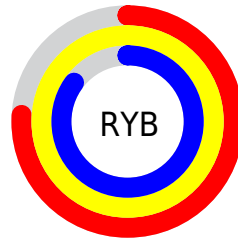
The XYZ color **78.4526, 92.4040, 64.7398** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2562, 60.7103, 102.8339**, and the grayscale version is **83.6793, 88.0371, 95.8724**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **42.6069, 51.3956, 32.4857** is the 20% darker color. If you saturate the color by 10%, you get **72.6838, 89.7330, 50.7810**, and if you desaturate by 10%, it is **84.8995, 95.3676, 81.2982**.

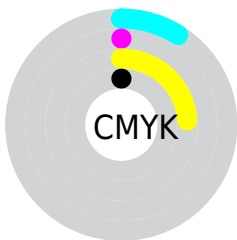
# Distribution



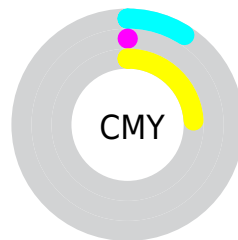
- Red (91%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (85%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4526, 92.4040, 64.7398 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 78.4526, 92.4040, 64.7398 by changing the saturation by 10% instead.



78.4526, 92.4040,  
64.7398

78.4526, 92.4040,  
64.7398

478.5189,  
535.8203, 460.1369

58.7499, 69.9762,  
46.8001

130.1499,  
150.6732, 113.2854

42.6574, 51.5072,  
32.5245

162.8753,  
187.2834, 144.7284

29.8098, 36.6124,  
21.4943

200.6723,  
229.3899, 181.5095

19.8416, 24.9075,  
13.2910

243.9063,  
277.3771, 224.0474

12.3876, 16.0082,  
7.4962

292.9426,  
331.6293, 272.7605

7.0823, 9.5299,  
3.6912

348.1465,

3.5604, 5.0884,

392.5310, 328.0675

1.4575

409.8835,  
460.4665, 390.3868

■ 1.4566, 2.2992,  
0.1860

■ 0.2960, 0.7733,  
0.0000

■ 78.4526, 92.4040,  
64.7398

■ 78.4526, 92.4040,  
64.7398

■ 72.6838, 89.7330,  
50.7810

■ 84.8995, 95.3676,  
81.2982

■ 67.5634, 87.3425,  
39.2853

■ 92.0494, 98.6343,  
100.5748

■ 63.0616, 85.2201,  
30.1103

95.0500, 100.0000,  
108.9000

■ 59.1448, 83.3522,  
23.0971

■ 55.7759, 81.7233,  
18.0667

■ 52.9121, 80.3160,  
14.8118

■ 50.5016, 79.1092,  
13.0788

■ 49.2145, 78.4561,  
12.5497

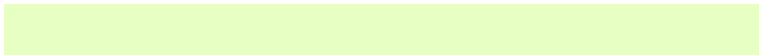
# Harmonies

## Analogous

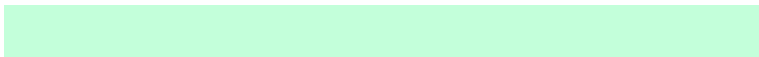
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6093, 92.4040, 58.6750



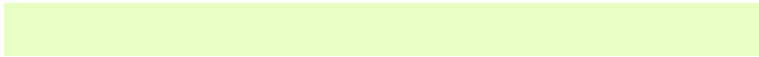
78.4526, 92.4040, 64.7398



73.1076, 92.4040, 80.3533

# Triad

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



78.4526, 92.4040, 64.7398



80.4348, 92.4040, 152.3358



106.3330, 92.4040, 97.1484

# Complementary

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



78.4526, 92.4040, 64.7398



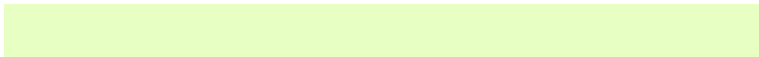
66.2562, 60.7103, 102.8339

# Split Complementary

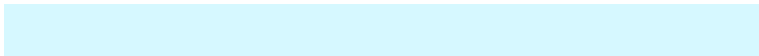
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.4009, 92.4040, 124.0186



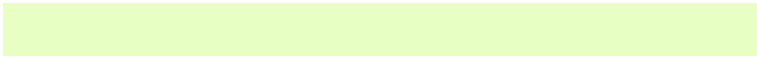
78.4526, 92.4040, 64.7398



89.0565, 92.4040, 158.8897

# Square

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



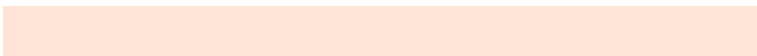
78.4526, 92.4040, 64.7398



74.1957, 92.4040, 131.1283



97.9204, 92.4040, 147.7616

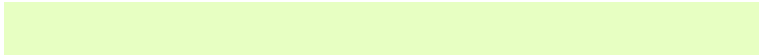


103.0338, 92.4040, 75.2409

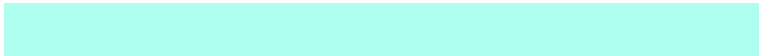


# Rectangle

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



78.4526, 92.4040, 64.7398



71.6482, 92.4040, 95.5282



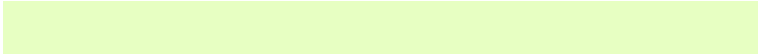
97.9204, 92.4040, 147.7616



106.2751, 92.4040, 105.8735

# Sweetspot

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



78.4531, 92.4042, 64.7411



89.7712, 97.5954, 94.3421



75.8900, 74.9794, 61.5129



19.1209, 20.8466, 19.9383



0.0000, 0.0000, 0.0000

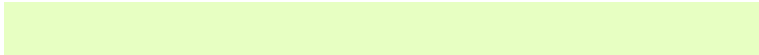


20.3446, 21.4041, 23.3091

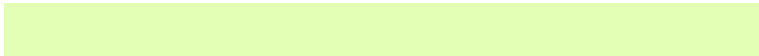


# Same Dimension

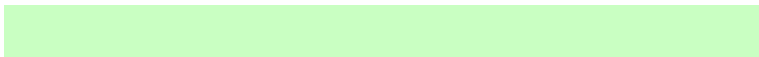
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4531, 92.4042, 64.7411



75.4398, 91.0116, 57.3339



69.6172, 87.8491, 64.3276



18.8289, 20.7132, 19.1500



25.8883, 41.0840, 6.5655



2.6435, 4.0635, 0.6450



# Inverse Universe

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



66.2562, 60.7103, 102.8339



61.2038, 54.0111, 101.8071



76.0124, 65.7398, 103.2905



17.6791, 17.7263, 22.7397



12.3525, 5.2784, 49.8024

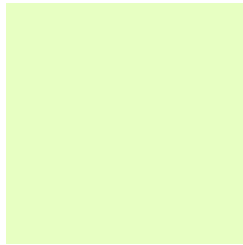


1.3212, 0.5750, 4.8546



# Previews

## White Background



This preview shows how the XYZ color 78.4526, 92.4040, 64.7398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

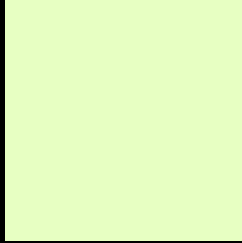
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.4526, 92.4040, 64.7398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

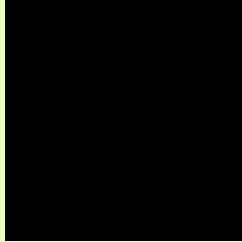
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

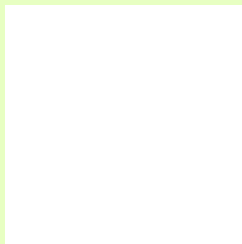
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.4526, 92.4040, 64.7398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.4526, 92.4040, 64.7398.



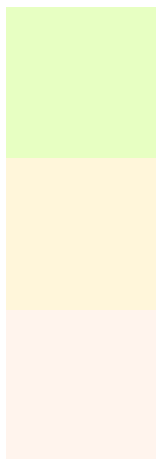
This preview shows how white text looks on a background with the XYZ color 78.4526, 92.4040,

64.7398.

# 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

78.4526, 92.4040, 64.7398

### Protanopia

86.8507, 92.2335, 79.5550

### Deuteranopia

88.8767, 92.0758, 93.2089

## **Tritanopia**

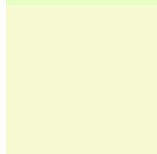
88.3140, 92.3646, 107.7813

# Trichromacy



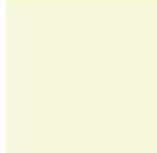
## Original Color

78.4526, 92.4040, 64.7398



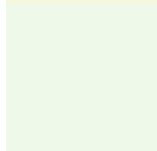
## Protanomaly

83.3903, 91.9476, 73.6741



## Deuteranomaly

84.6246, 91.9481, 81.6942



## Tritanomaly

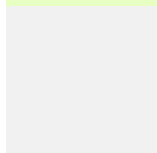
84.1803, 91.9853, 90.4090

# Monochromacy



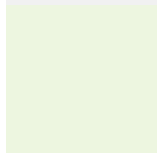
## Original Color

78.4526, 92.4040, 64.7398



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.3354, 89.2979, 83.4704

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.4526, 92.4040, 64.7398 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(231, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 194)  
}
```

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(231, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 78.4526, 92.4040, 64.7398 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(231, 255, 194) }
```



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

```
.border{ border-color:rgb(231, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(231, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.4526, 92.4040, 64.7398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 194) }
```

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

```
.background{ background-color: rgb(231,  
255, 194) }
```

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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