

# Converting Colors

XYZ(78.8607, 92.1814, 74.8868)

Have a look what the booklet for  
XYZ(78.8607, 92.1814, 74.8868)  
contains.

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# **Color**

**XYZ(79.0714, 92.5040,  
74.6603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFD2
RGB	227, 255, 210
RGB Percent	89%, 100%, 82%
CMY	0.1098, 0.0000, 0.1765
CMYK	0.11, 0.00, 0.18, 0.00
HSL	97°, 100%, 91%
HSV	97°, 18%, 100%
XYZ	79.0714, 92.5040, 74.6603
YIQ	241.4980, -2.2430, -19.9310

# Conversions

## Conversions Part 2

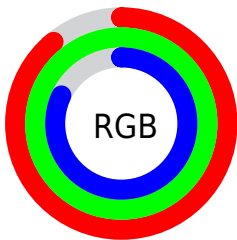
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 255, 238
Decimal	14942162
CIE <sub>Lab</sub>	97.03, -16.93, 18.51
CIE <sub>LCh</sub>	97, 25.084, 132.446
Yxy	92.5040, 0.3211, 0.3757
Android (android.graphics.Color)	4293132242 (0xFFE3FFD2)
YUV	241.4980, -15.5285, -12.7147
Hunter-Lab	96.1790, -21.5635, 21.3006

# Details

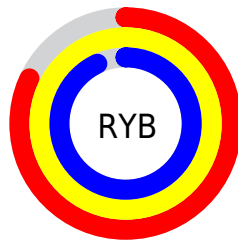
The XYZ color **79.0714, 92.5040, 74.6603** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.3573, 71.4915, 104.3825**, and the grayscale version is **84.1209, 88.5017, 96.3784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9051, 51.4127, 38.6726** is the 20% darker color. If you saturate the color by 10%, you get **71.3670, 88.8705, 59.0161**, and if you desaturate by 10%, it is **87.7446, 96.5784, 92.9950**.

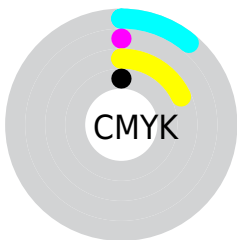
# Distribution



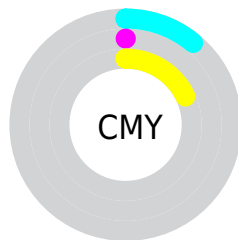
- Red (89%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0714, 92.5040, 74.6603 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 79.0714, 92.5040, 74.6603 by changing the saturation by 10% instead.




 79.0714, 92.5040,  
74.6603

 79.0714, 92.5040,  
74.6603


480.5822,  
536.1430, 495.9734

 59.2603, 70.0593,  
54.8346


131.0168,  
150.8117, 127.5741

 43.0699, 51.5749,  
38.8716


163.8818,  
187.4436, 161.4992

 30.1347, 36.6663,  
26.3528


201.8289,  
229.5732, 200.9612

 20.0895, 24.9493,  
16.8596

245.2233,  
277.5852, 246.3786

 12.5687, 16.0393,  
9.9736

294.4305,  
331.8637, 298.1700

 7.2072, 9.5519,  
5.2761

349.8158,

 3.6395, 5.1029,

392.7933, 356.7539

2.3486

411.7446,  
460.7582, 422.5489

■ 1.5003, 2.3078,  
0.7582

■ 0.3260, 0.7778,  
0.0000

■ 79.0714, 92.5040,  
74.6603

■ 79.0714, 92.5040,  
74.6603

■ 71.3670, 88.8705,  
59.0161

■ 87.7446, 96.5784,  
92.9950

■ 64.5931, 85.6611,  
45.9317

95.0500, 100.0000,  
108.9000

■ 58.7116, 82.8589,  
35.2715

■ 53.6808, 80.4458,  
26.8863

■ 49.4548, 78.4018,  
20.6097

■ 45.9832, 76.7049,  
16.2531

■ 43.2077, 75.3301,  
13.5942

■ 41.0559, 74.2463,  
12.3395

■ 40.6189, 74.0249,  
12.1474

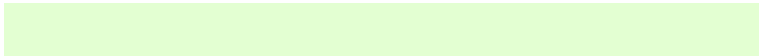
# Harmonies

## Analogous

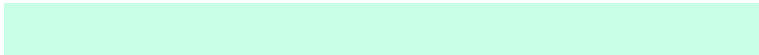
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0276, 92.5040, 67.3147



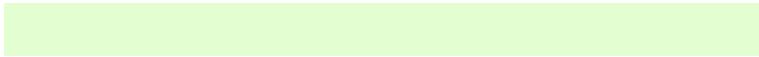
79.0714, 92.5040, 74.6603



75.5991, 92.5040, 89.4401

# Triad

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



79.0714, 92.5040, 74.6603



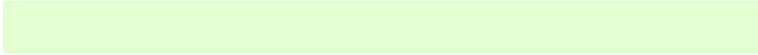
83.8896, 92.5040, 142.5417



101.8619, 92.5040, 92.5688

# Complementary

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



79.0714, 92.5040, 74.6603



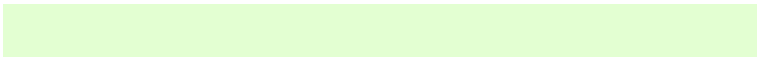
76.3573, 71.4915, 104.3825

# Split Complementary

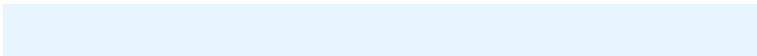
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.5168, 92.5040, 112.9130



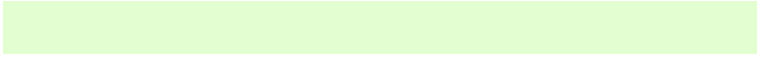
79.0714, 92.5040, 74.6603



90.8819, 92.5040, 143.6755

# Square

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



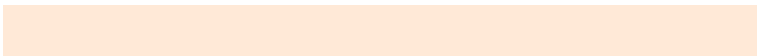
79.0714, 92.5040, 74.6603



78.2768, 92.5040, 129.3174



97.4102, 92.5040, 132.2341

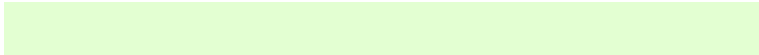


98.3293, 92.5040, 76.6857

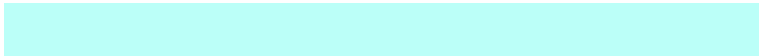


# Rectangle

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



79.0714, 92.5040, 74.6603



75.0398, 92.5040, 102.3904



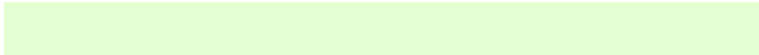
97.4102, 92.5040, 132.2341



102.2007, 92.5040, 99.0701

# Sweetspot

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



79.0720, 92.5043, 74.6617



90.2059, 97.7321, 98.3112



83.3751, 86.9173, 73.3565



19.1664, 20.8525, 20.7364



0.0000, 0.0000, 0.0000

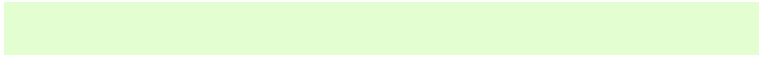


20.3446, 21.4041, 23.3091

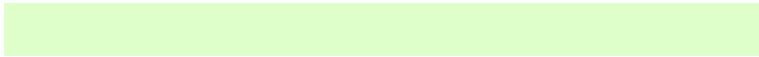


# Same Dimension

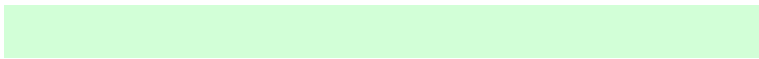
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0720, 92.5043, 74.6617



76.3819, 91.2373, 69.1211



74.6371, 90.1412, 77.9250



18.4200, 20.5024, 19.1309



21.3765, 38.7581, 6.3544



2.1980, 3.8339, 0.6242



# Inverse Universe

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



76.3573, 71.4915, 104.3825



73.2268, 66.8265, 103.6471



81.5033, 74.2407, 100.2715



18.0889, 17.9375, 22.7589



17.0393, 7.6946, 50.0217

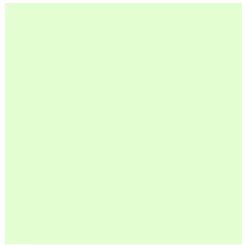


1.7805, 0.8118, 4.8761



# Previews

## White Background



This preview shows how the XYZ color 79.0714, 92.5040, 74.6603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

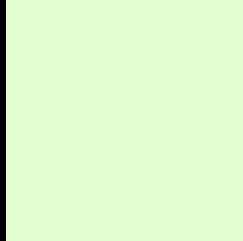
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0714, 92.5040, 74.6603 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

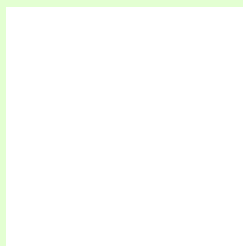
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.0714, 92.5040, 74.6603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0714, 92.5040, 74.6603.



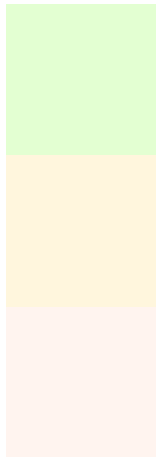
This preview shows how white text looks on a background with the XYZ color 79.0714, 92.5040,

74.6603.

# 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

79.0714, 92.5040, 74.6603

### Protanopia

87.2469, 92.3920, 81.6416

### Deuteranopia

89.1707, 92.1934, 94.7567



## Tritanopia

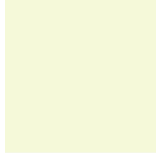
87.9287, 92.6188, 107.8506

# Trichromacy



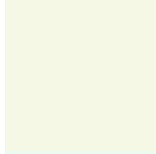
## Original Color

79.0714, 92.5040, 74.6603



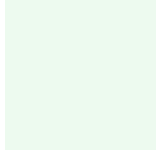
## Protanomaly

84.0563, 92.1736, 79.0067



## Deuteranomaly

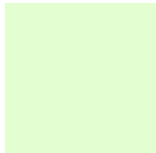
85.2272, 92.1487, 86.6933



## Tritanomaly

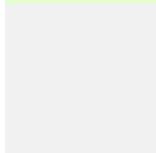
84.6906, 92.6077, 95.0728

# Monochromacy



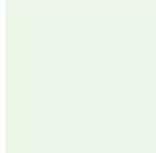
## Original Color

79.0714, 92.5040, 74.6603



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.8308, 89.4576, 87.8170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0714, 92.5040, 74.6603 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(227, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 210)  
}
```

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(227, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0714, 92.5040, 74.6603 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".

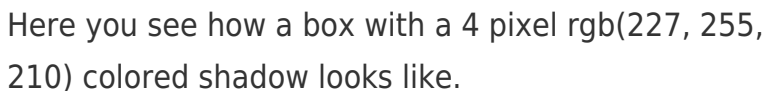
```
.border, #border, table{ border:4px solid rgb(227, 255, 210) }
```



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

```
.border{ border-color:rgb(227, 255, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 255, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 255, 210); box-shadow:4px 4px 4px 4px rgb(227, 255, 210) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0714, 92.5040, 74.6603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 210) }
```

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

```
.background{ background-color: rgb(227,  
255, 210) }
```

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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