

# Converting Colors

XYZ(78.9333, 92.5176, 70.8242)

Have a look what the booklet for  
XYZ(78.9333, 92.5176, 70.8242)  
contains.

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# Color

**XYZ(78.9722, 92.5376,  
70.8260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5FFCC
RGB	229, 255, 204
RGB Percent	90%, 100%, 80%
CMY	0.1020, 0.0000, 0.2000
CMYK	0.10, 0.00, 0.20, 0.00
HSL	91°, 100%, 90%
HSV	91°, 20%, 100%
XYZ	78.9722, 92.5376, 70.8260
YIQ	241.4120, 0.8750, -21.3730

# Conversions

## Conversions Part 2

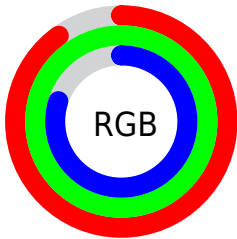
Format	Color
<a href="#">RYB</a>	<a href="#">204, 255, 230</a>
Decimal	<a href="#">15073228</a>
CIELab	<a href="#">97.04, -17.18, 21.61</a>
CIElCh	<a href="#">97, 27.607, 128.498</a>
Yxy	<a href="#">92.5376, 0.3259, 0.3819</a>
Android (android.graphics.Color)	<a href="#">4293263308</a> ( <a href="#">0xFFE5FFCC</a> )
YUV	<a href="#">241.4120, -18.4441, -10.8853</a>
Hunter-Lab	<a href="#">96.1965, -21.8048, 23.6844</a>

# Details

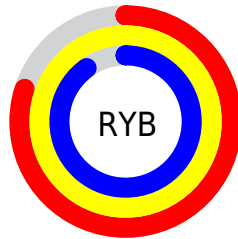
The XYZ color **78.9722, 92.5376, 70.8260** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.2768, 67.2299, 103.7750**, and the grayscale version is **84.0735, 88.4519, 96.3241**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9327, 51.4744, 36.5269** is the 20% darker color. If you saturate the color by 10%, you get **72.1657, 89.3537, 55.8278**, and if you desaturate by 10%, it is **86.5914, 96.0827, 88.4788**.

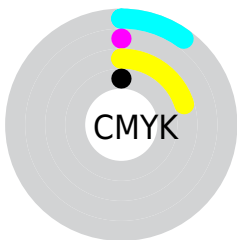
# Distribution



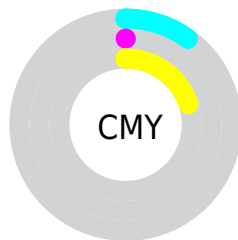
- Red (90%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9722, 92.5376, 70.8260 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 78.9722, 92.5376, 70.8260 by changing the saturation by 10% instead.




 78.9722, 92.5376,  
70.8260

 78.9722, 92.5376,  
70.8260


480.2517,  
536.2515, 482.3122

 59.1785, 70.0872,  
51.7193


130.8779,  
150.8583, 122.0781

 43.0038, 51.5977,  
36.4006


163.7205,  
187.4974, 155.0605

 30.0826, 36.6845,  
24.4516


201.6436,  
229.6348, 193.5052

 20.0497, 24.9633,  
15.4537

245.0123,  
277.6551, 237.8308

 12.5396, 16.0497,  
8.9883

294.1922,  
331.9424, 288.4557

 7.1871, 9.5593,  
4.6368

349.5485,

 3.6268, 5.1078,

392.8814, 345.7986

1.9808

411.4465,  
460.8562, 410.2779

■ 1.4932, 2.3106,  
0.5434

■ 0.3212, 0.7793,  
0.0000

■ 78.9722, 92.5376,  
70.8260

■ 78.9722, 92.5376,  
70.8260

■ 72.1657, 89.3537,  
55.8278

■ 86.5914, 96.0827,  
88.4788

■ 66.1389, 86.5167,  
43.3514

95.0500, 100.0000,  
108.9000

■ 60.8591, 84.0127,  
33.2592

■ 56.2901, 81.8266,  
25.3982

■ 52.3921, 79.9415,  
19.5983

■ 49.1203, 78.3385,  
15.6641

■ 46.4224, 76.9958,  
13.3633

■ 44.2177, 75.8801,  
12.3159

■ 44.2175, 75.8800,  
12.3158

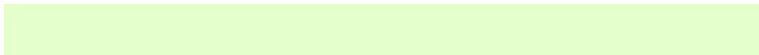
# Harmonies

## Analogous

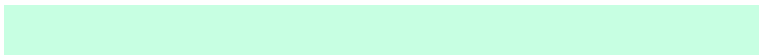
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7633, 92.5376, 64.0669



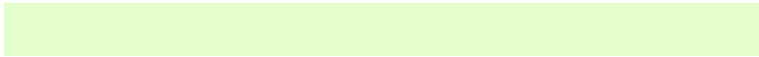
78.9722, 92.5376, 70.8260



74.7648, 92.5376, 85.8650

# Triad

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



78.9722, 92.5376, 70.8260



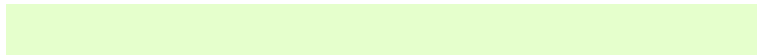
82.5875, 92.5376, 146.0750



103.5843, 92.5376, 94.5618

# Complementary

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



78.9722, 92.5376, 70.8260



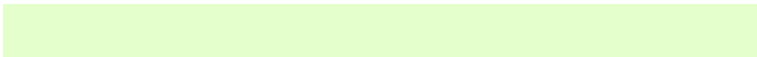
72.2768, 67.2299, 103.7750

# Split Complementary

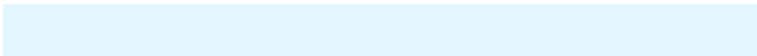
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.6102, 92.5376, 117.2800



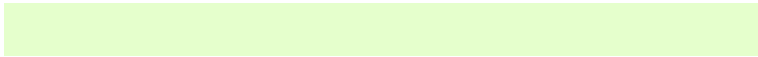
78.9722, 92.5376, 70.8260



90.1821, 92.5376, 149.3133

# Square

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



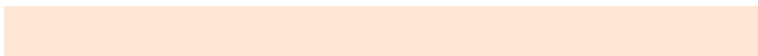
78.9722, 92.5376, 70.8260



76.7649, 92.5376, 129.8297



97.5927, 92.5376, 138.1189

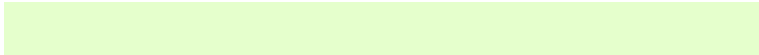


100.1812, 92.5376, 76.3859

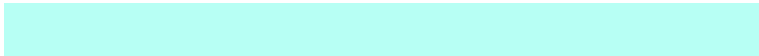


# Rectangle

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



78.9722, 92.5376, 70.8260



73.8396, 92.5376, 99.6398



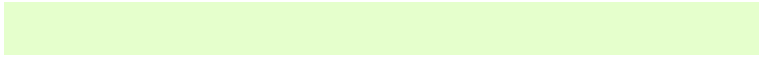
97.5927, 92.5376, 138.1189



103.7618, 92.5376, 101.8839

# Sweetspot

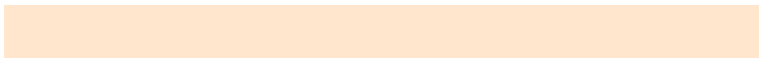
The Sweet Spot groups the original color and five complimentary colors.



78.9728, 92.5379, 70.8274



89.8720, 97.6040, 96.3073



80.2975, 81.9361, 68.7112



19.1196, 20.8372, 20.3335



0.0000, 0.0000, 0.0000

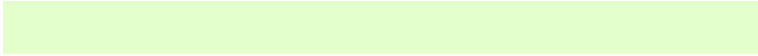


20.3446, 21.4041, 23.3091

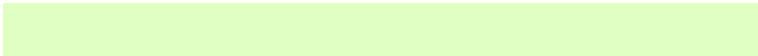


# Same Dimension

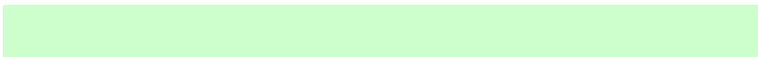
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9728, 92.5379, 70.8274



76.1537, 91.2214, 64.5150



71.5618, 88.7174, 70.4806



18.6194, 20.6052, 19.1402



23.2759, 39.7372, 6.4433



2.3920, 3.9339, 0.6332



# Inverse Universe

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



72.2768, 67.2299, 103.7750



68.3486, 61.7221, 102.9189



80.8834, 71.6668, 104.1778



17.8859, 17.8329, 22.7494



14.4147, 6.3415, 49.8989

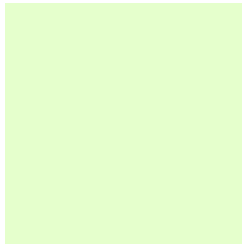


1.5296, 0.6825, 4.8644



# Previews

## White Background



This preview shows how the XYZ color 78.9722, 92.5376, 70.8260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

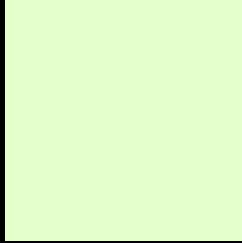
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9722, 92.5376, 70.8260 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

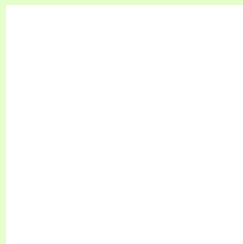
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.9722, 92.5376, 70.8260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.9722, 92.5376, 70.8260.



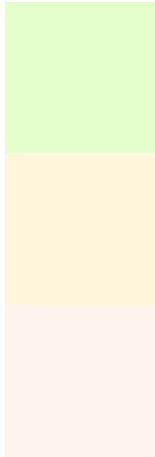
This preview shows how white text looks on a background with the XYZ color 78.9722, 92.5376,

70.8260.

# 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

78.9722, 92.5376, 70.8260

### Protanopia

87.1140, 92.3388, 80.9419

### Deuteranopia

89.0233, 92.1344, 93.9806

## **Tritanopia**

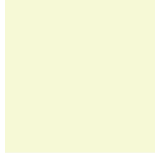
87.9679, 92.1862, 107.7651

# Trichromacy



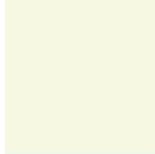
## Original Color

78.9722, 92.5376, 70.8260



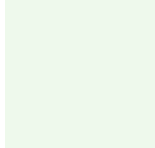
## Protanomaly

84.0193, 92.1992, 76.9863



## Deuteranomaly

85.3009, 92.2186, 85.2556



## Tritanomaly

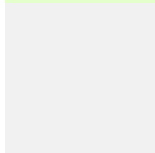
84.2759, 91.9846, 92.6699

# Monochromacy



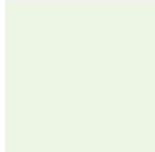
## Original Color

78.9722, 92.5376, 70.8260



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.8844, 89.5175, 86.3616

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9722, 92.5376, 70.8260 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(229, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 204)  
}
```

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(229, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9722, 92.5376, 70.8260 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(229, 255, 204) }
```



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

```
.border{ border-color:rgb(229, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9722, 92.5376, 70.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 204) }
```

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

```
.background{ background-color: rgb(229,  
255, 204) }
```

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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