

# Converting Colors

XYZ(78.9807, 92.4334, 75.7348)

Have a look what the booklet for  
XYZ(78.9807, 92.4334, 75.7348)  
contains.

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# Color

**XYZ(79.0077, 92.4422,  
75.9663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FFD4
RGB	226, 255, 212
RGB Percent	89%, 100%, 83%
CMY	0.1137, 0.0000, 0.1686
CMYK	0.11, 0.00, 0.17, 0.00
HSL	100°, 100%, 92%
HSV	100°, 17%, 100%
XYZ	79.0077, 92.4422, 75.9663
YIQ	241.4270, -3.4810, -19.5210

# Conversions

## Conversions Part 2

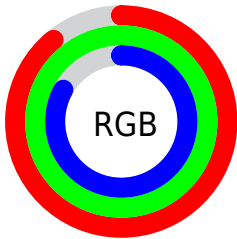
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 255, 241
Decimal	14876628
CIE <sub>Lab</sub>	97.00, -16.95, 17.44
CIE <sub>LCh</sub>	97, 24.321, 134.172
Yxy	92.4422, 0.3193, 0.3736
Android (android.graphics.Color)	4293066708 (0xFFE2FFD4)
YUV	241.4270, -14.5075, -13.5295
Hunter-Lab	96.1469, -21.5765, 20.4574

# Details

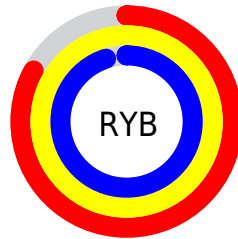
The XYZ color **79.0077, 92.4422, 75.9663** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8699, 73.0089, 104.5957**, and the grayscale version is **84.0578, 88.4353, 96.3061**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8575, 51.3685, 39.5546** is the 20% darker color. If you saturate the color by 10%, you get **70.9153, 88.6132, 60.1011**, and if you desaturate by 10%, it is **88.1504, 96.7539, 94.5352**.

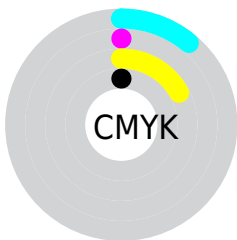
# Distribution



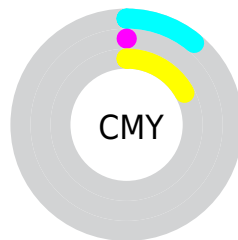
- Red (89%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0077, 92.4422, 75.9663 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 79.0077, 92.4422, 75.9663 by changing the saturation by 10% instead.




 79.0077, 92.4422,  
75.9663

 79.0077, 92.4422,  
75.9663


480.3700,  
535.9436, 500.5761

 59.2078, 70.0080,  
55.8984


130.9276,  
150.7261, 129.4389

 43.0274, 51.5330,  
39.7180

163.7782,  
187.3446, 163.6807

 30.1013, 36.6330,  
27.0066


201.7099,  
229.4600, 203.4842

 20.0639, 24.9235,  
17.3457

245.0878,  
277.4566, 249.2679

 12.5500, 16.0200,  
10.3167

294.2775,  
331.7189, 301.4504

 7.1943, 9.5383,  
5.5011

349.6442,

 3.6313, 5.0940,

392.6312, 360.4503

2.4803

411.5532,  
460.5780, 426.6860

■ 1.4957, 2.3025,  
0.8297

■ 0.3229, 0.7750,  
0.0000

■ 79.0077, 92.4422,  
75.9663

■ 79.0077, 92.4422,  
75.9663

■ 70.9153, 88.6132,  
60.1011

■ 88.1504, 96.7539,  
94.5352

■ 63.8317, 85.2484,  
46.8094

95.0500, 100.0000,  
108.9000

■ 57.7152, 82.3291,  
35.9566

■ 52.5203, 79.8351,  
27.3940

■ 48.1973, 77.7445,  
20.9569

■ 44.6914, 76.0331,  
16.4583

■ 41.9400, 74.6734,  
13.6789

■ 39.8682, 73.6328,  
12.3411

■ 39.3293, 73.3600,  
12.0870

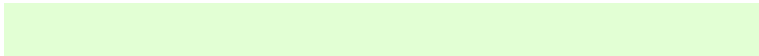
# Harmonies

## Analogous

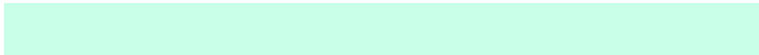
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6803, 92.4422, 68.3520



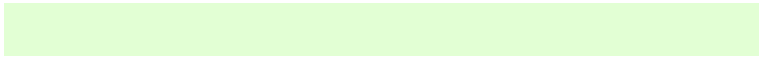
79.0077, 92.4422, 75.9663



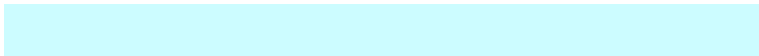
75.7995, 92.4422, 90.7190

# Triad

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



79.0077, 92.4422, 75.9663



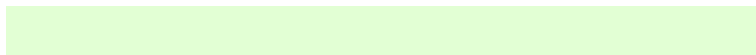
84.3224, 92.4422, 141.4483



101.2523, 92.4422, 91.7042

# Complementary

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



79.0077, 92.4422, 75.9663



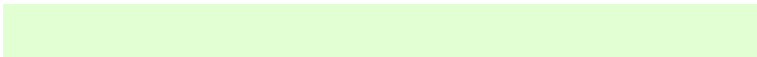
77.8699, 73.0089, 104.5957

# Split Complementary

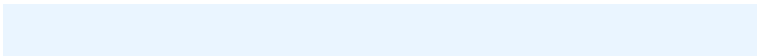
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.1442, 92.4422, 111.2888



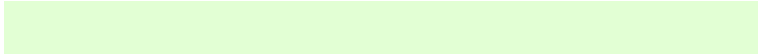
79.0077, 92.4422, 75.9663



91.1255, 92.4422, 141.8023

# Square

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



79.0077, 92.4422, 75.9663



78.7574, 92.4422, 129.2705



97.3576, 92.4422, 130.1827

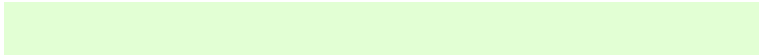


97.6458, 92.4422, 76.6066

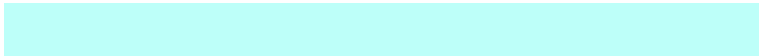


# Rectangle

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



79.0077, 92.4422, 75.9663



75.3796, 92.4422, 103.4212



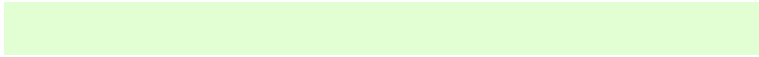
97.3576, 92.4422, 130.1827



101.6548, 92.4422, 97.9363

# Sweetspot

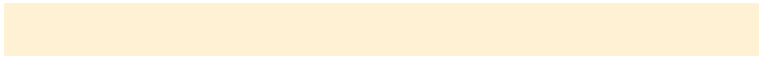
The Sweet Spot groups the original color and five complimentary colors.



79.0083, 92.4425, 75.9677



89.9715, 97.6113, 98.3003



84.4808, 88.7274, 74.9622



19.1095, 20.8231, 20.7337



0.0000, 0.0000, 0.0000

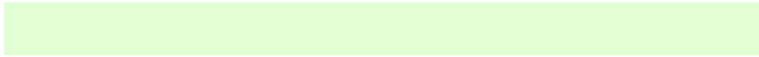


20.3446, 21.4041, 23.3091

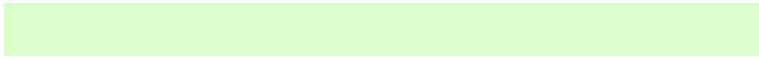


# Same Dimension

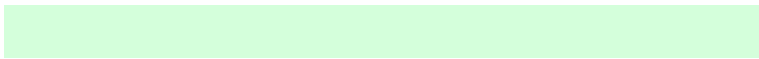
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0083, 92.4425, 75.9677



76.3576, 91.1898, 70.7037



75.7203, 90.6407, 80.6386



18.3284, 20.4552, 19.1266



20.6888, 38.4035, 6.3222



2.1234, 3.7954, 0.6207



# Inverse Universe

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



77.8699, 73.0089, 104.5957



75.0357, 68.6514, 103.9040



81.7015, 75.1150, 98.8642



18.1841, 17.9866, 22.7633



18.4822, 8.4384, 50.0892

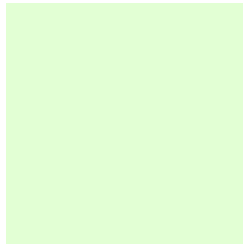


1.9143, 0.8808, 4.8824



# Previews

## White Background



This preview shows how the XYZ color 79.0077, 92.4422, 75.9663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

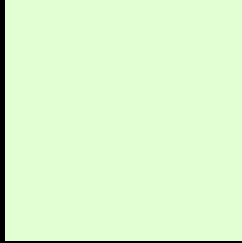
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0077, 92.4422, 75.9663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

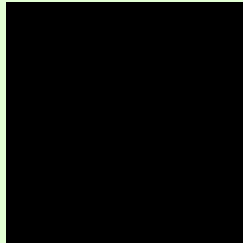
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

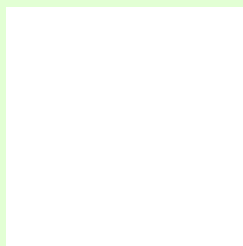
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.0077, 92.4422, 75.9663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0077, 92.4422, 75.9663.



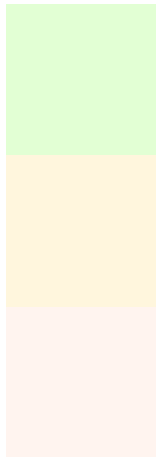
This preview shows how white text looks on a background with the XYZ color 79.0077, 92.4422,

75.9663.

# 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

79.0077, 92.4422, 75.9663

### Protanopia

87.2469, 92.3920, 81.6416

### Deuteranopia

89.1707, 92.1934, 94.7567



## Tritanopia

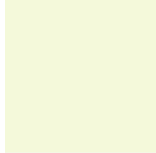
87.5864, 92.4423, 107.8346

# Trichromacy



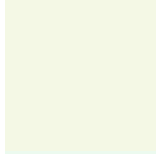
## Original Color

79.0077, 92.4422, 75.9663



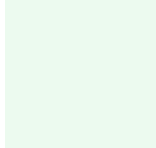
## Protanomaly

83.8388, 92.0464, 79.6776



## Deuteranomaly

85.0185, 92.0250, 87.4104



## Tritanomaly

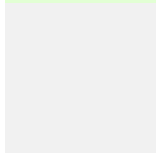
84.3577, 92.4361, 95.0572

# Monochromacy



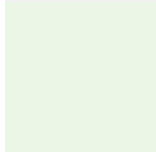
## Original Color

79.0077, 92.4422, 75.9663



## 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 79.0077, 92.4422, 75.9663 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(226, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 212)  
}
```

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(226, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0077, 92.4422, 75.9663 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(226, 255, 212) }
```



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

```
.border{ border-color:rgb(226, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(226, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0077, 92.4422, 75.9663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 212) }
```

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

```
.background{ background-color: rgb(226,  
255, 212) }
```

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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