

# Converting Colors

XYZ(86.4461, 107.4753,  
87.7231)

Have a look what the booklet for  
XYZ(86.4461, 107.4753, 87.7231)  
contains.

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# Color

**XYZ(78.5640, 92.0163,  
84.8543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBFFE1
RGB	219, 255, 225
RGB Percent	86%, 100%, 88%
CMY	0.1412, 0.0000, 0.1176
CMYK	0.14, 0.00, 0.12, 0.00
HSL	130°, 100%, 93%
HSV	130°, 14%, 100%
XYZ	78.5640, 92.0163, 84.8543
YIQ	240.8160, -11.8260, -16.9620

# Conversions

## Conversions Part 2

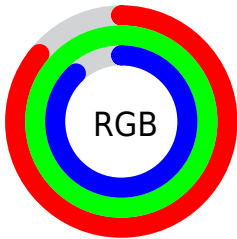
Format	Color
R <sub>YB</sub>	219, 250, 255
Decimal	14417889
CIE Lab	96.83, -17.08, 10.48
CIE LCh	97, 20.038, 148.467
Yxy	92.0163, 0.3076, 0.3602
Android (android.graphics.Color)	4292607969 (0xFFDBFFE1)
YUV	240.8160, -7.7973, -19.1326
Hunter-Lab	95.9251, -21.6750, 14.7003

# Details

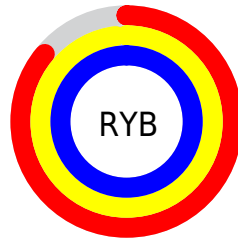
The XYZ color **78.5640, 92.0163, 84.8543** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.6707, 78.7634, 100.4151**, and the grayscale version is **83.5300, 87.8800, 95.7014**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7596, 51.1830, 45.6558** is the 20% darker color. If you saturate the color by 10%, you get **68.7498, 87.2712, 70.1927**, and if you desaturate by 10%, it is **89.9157, 97.5122, 101.4740**.

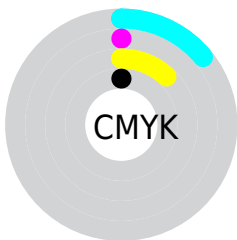
# Distribution



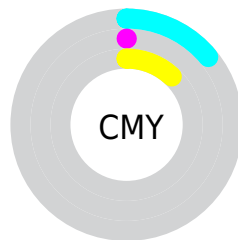
- Red (86%)
- Green (100%)
- Blue (88%)



- Red (86%)
- Yellow (98%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5640, 92.0163, 84.8543 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 78.5640, 92.0163, 84.8543 by changing the saturation by 10% instead.



78.5640, 92.0163,  
84.8543

78.5640, 92.0163,  
84.8543

478.8907,  
534.5682, 531.2778

58.8418, 69.6542,  
63.1715

130.3060,  
150.1360, 142.0419

42.7317, 51.2446,  
45.5381

163.0566,  
186.6623, 178.3839

29.8682, 36.4033,  
31.5355

200.8806,  
228.6789, 220.4494

19.8862, 24.7459,  
20.7450

244.1435,  
276.5700, 268.6569

12.4201, 15.8878,  
12.7483

293.2106,  
330.7201, 323.4249

7.1047, 9.4448,  
7.1268

348.4473,

3.5746, 5.0324,

391.5135, 385.1721

3.4619

410.2189,  
459.3348, 454.3169

■ 1.4644, 2.2663,  
1.3350

■ 0.3014, 0.7558,  
0.0902

■ 78.5640, 92.0163,  
84.8543

■ 78.5640, 92.0163,  
84.8543

■ 68.7498, 87.2712,  
70.1927

■ 89.9157, 97.5122,  
101.4740

■ 60.4043, 83.2432,  
57.4128

95.0500, 100.0000,  
108.9000

■ 53.4570, 79.8974,  
46.4397

■ 47.8302, 77.1956,  
37.1917

■ 43.4390, 75.0957,  
29.5810

■ 40.1882, 73.5508,  
23.5117

■ 37.9681, 72.5066,  
18.8781

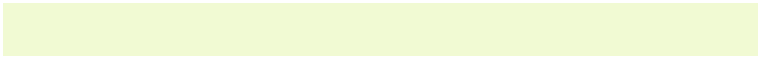
■ 36.6468, 71.8975,  
15.5613

■ 36.1870, 71.6908,  
14.1686

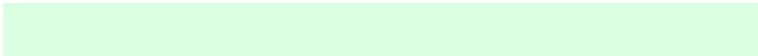
# Harmonies

## Analogous

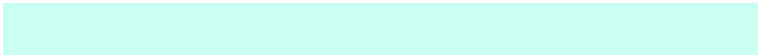
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4062, 92.0163, 75.3624



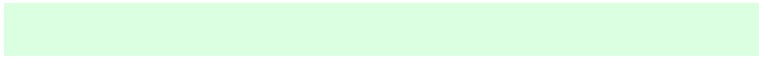
78.5640, 92.0163, 84.8543



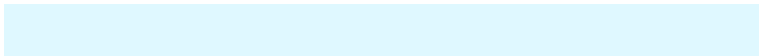
77.0907, 92.0163, 99.3642

# Triad

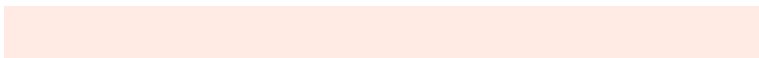
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5640, 92.0163, 84.8543



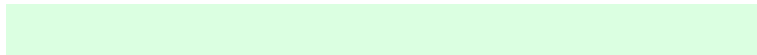
87.1699, 92.0163, 134.4370



97.3109, 92.0163, 86.1449

# Complementary

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



78.5640, 92.0163, 84.8543



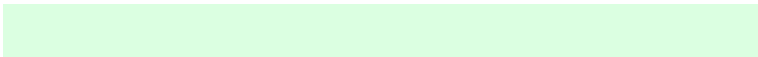
83.6707, 78.7634, 100.4151

# 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.



98.7170, 92.0163, 101.0206



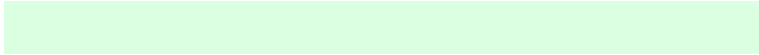
78.5640, 92.0163, 84.8543



92.7137, 92.0163, 129.9472

# Square

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



78.5640, 92.0163, 84.8543



81.9258, 92.0163, 128.9647



97.0007, 92.0163, 117.2706

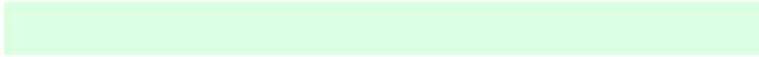


93.2354, 92.0163, 76.0495



# Rectangle

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



78.5640, 92.0163, 84.8543



77.6001, 92.0163, 110.3210



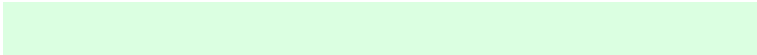
97.0007, 92.0163, 117.2706



98.1189, 92.0163, 90.6992

# Sweetspot

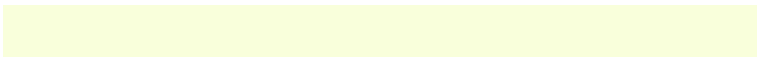
The Sweet Spot groups the original color and five complimentary colors.



78.5647, 92.0167, 84.8557



90.0579, 97.5811, 101.6803



87.6134, 96.7743, 81.0805



19.0813, 20.7920, 21.4809



0.0000, 0.0000, 0.0000

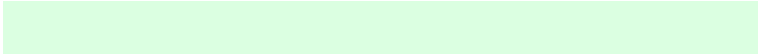


20.3446, 21.4041, 23.3091

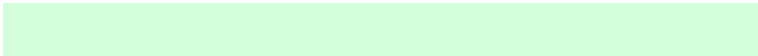


# Same Dimension

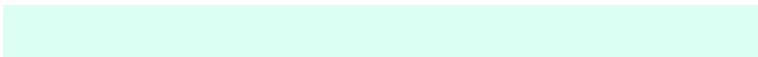
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5647, 92.0167, 84.8557



75.5804, 90.5730, 80.4310



81.1516, 93.0514, 98.4780



17.8951, 20.2176, 19.7504



18.9444, 37.4744, 7.5927



1.8776, 3.6620, 0.9132



# Inverse Universe

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



83.6707, 78.7634, 100.4151



81.6043, 74.9355, 98.7864



80.9959, 77.6934, 86.3294



18.6550, 18.2453, 22.0663



27.8391, 13.6249, 34.1327



2.7436, 1.3398, 3.4971



# Previews

## White Background



This preview shows how the XYZ color 78.5640, 92.0163, 84.8543 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

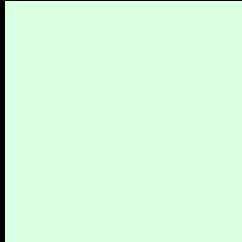
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.5640, 92.0163, 84.8543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

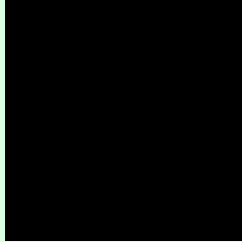
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

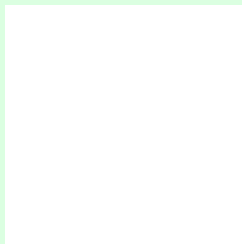
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.5640, 92.0163, 84.8543**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.5640, 92.0163, 84.8543.



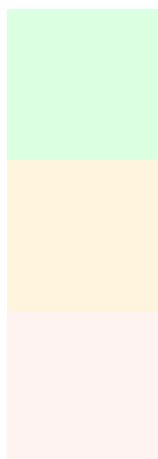
This preview shows how white text looks on a background with the XYZ color 78.5640, 92.0163,

84.8543.

# 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

78.5640, 92.0163, 84.8543

### Protanopia

87.0772, 91.8387, 82.2444

### Deuteranopia

89.1678, 91.7121, 96.2216



## Tritanopia

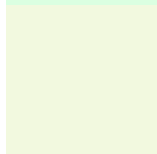
86.5707, 91.9187, 107.7871

# Trichromacy



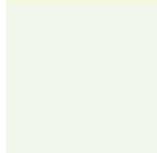
## Original Color

78.5640, 92.0163, 84.8543



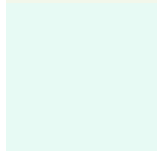
## Protanomaly

83.8129, 91.9563, 83.1440



## Deuteranomaly

84.8741, 91.3969, 91.7653



## Tritanomaly

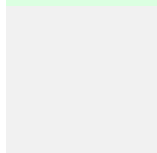
83.4697, 91.8918, 98.9255

# Monochromacy



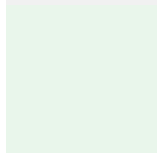
## Original Color

78.5640, 92.0163, 84.8543



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.5554, 89.2333, 91.5226

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.5640, 92.0163, 84.8543 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(219, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 225)  
}
```

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(219, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 78.5640, 92.0163, 84.8543 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".

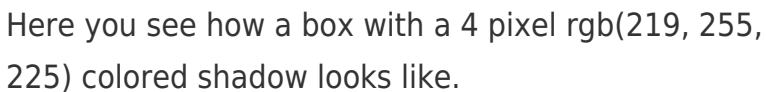
```
.border, #border, table{ border:4px solid rgb(219, 255, 225) }
```



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

```
.border{ border-color:rgb(219, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 255, 225); box-shadow:4px 4px 4px 4px rgb(219, 255, 225) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.5640, 92.0163, 84.8543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 225) }
```

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

```
.background{ background-color: rgb(219,  
255, 225) }
```

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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