

# Converting Colors

XYZ(82.3553, 99.4756, 88.6248)

Have a look what the booklet for  
XYZ(82.3553, 99.4756, 88.6248)  
contains.

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# Color

**XYZ(78.8163, 92.0826,  
87.7484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFE5
RGB	218, 255, 229
RGB Percent	85%, 100%, 90%
CMY	0.1451, 0.0000, 0.1020
CMYK	0.15, 0.00, 0.10, 0.00
HSL	138°, 100%, 93%
HSV	138°, 15%, 100%
XYZ	78.8163, 92.0826, 87.7484
YIQ	240.9730, -13.7060, -15.9300

# Conversions

## Conversions Part 2

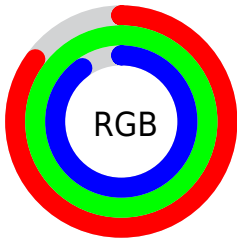
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 247, 255
Decimal	14352357
CIE Lab	96.85, -16.69, 8.46
CIE LCh	97, 18.715, 153.133
Yxy	92.0826, 0.3047, 0.3560
Android (android.graphics.Color)	4292542437 (0xFFDAFFE5)
YUV	240.9730, -5.9027, -20.1473
Hunter-Lab	95.9597, -21.3188, 12.9552

# Details

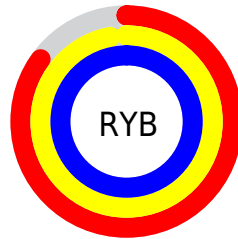
The XYZ color **78.8163, 92.0826, 87.7484** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.6409, 77.9353, 96.2751**, and the grayscale version is **83.6401, 87.9959, 95.8276**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9383, 51.2307, 47.6698** is the 20% darker color. If you saturate the color by 10%, you get **69.3938, 87.4994, 74.9146**, and if you desaturate by 10%, it is **89.6717, 97.3745, 102.0002**.

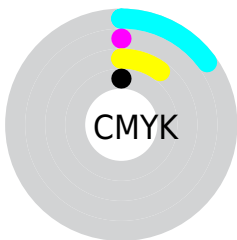
# Distribution



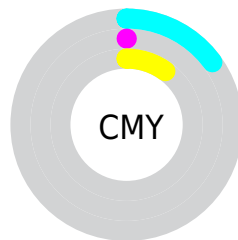
- Red (85%)
- Green (100%)
- Blue (90%)



- Red (85%)
- Yellow (97%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8163, 92.0826, 87.7484 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 78.8163, 92.0826, 87.7484 by changing the saturation by 10% instead.




 78.8163, 92.0826,  
87.7484

 78.8163, 92.0826,  
87.7484

479.7322,  
534.7824, 541.0589

 59.0499, 69.7092,  
65.5516

130.6595,  
150.2279, 146.1149

 42.8998, 51.2895,  
47.4543


163.4670,  
186.7686, 183.1216

 30.0007, 36.4391,  
33.0380


201.3523,  
228.8005, 225.9021

 19.9872, 24.7735,  
21.8842

244.6806,  
276.7080, 274.8748

 12.4939, 15.9084,  
13.5743

293.8174,  
330.8756, 330.4582

 7.1556, 9.4593,  
7.6899

349.1281,

 3.6068, 5.0420,

391.6876, 393.0711

3.8122

410.9779,  
459.5284, 463.1318

■ 1.4822, 2.2719,  
1.5229

■ 0.3137, 0.7588,  
0.2349

■ 78.8163, 92.0826,  
87.7484

■ 78.8163, 92.0826,  
87.7484

■ 69.3938, 87.4994,  
74.9146

■ 89.6717, 97.3745,  
102.0002

■ 61.3408, 83.5933,  
63.4509

95.0500, 100.0000,  
108.9000

■ 54.5921, 80.3316,  
53.3129

■ 49.0766, 77.6787,  
44.4524

■ 44.7156, 75.5950,  
36.8180

■ 41.4215, 74.0364,  
30.3550

■ 39.0929, 72.9520,  
25.0041

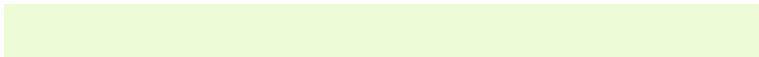
■ 37.6070, 72.2797,  
20.7007

■ 37.0581, 72.0392,  
18.7558

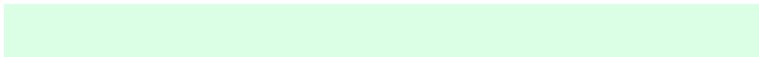
# Harmonies

## Analogous

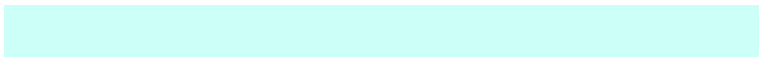
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1157, 92.0826, 77.9351



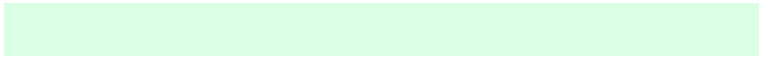
78.8163, 92.0826, 87.7484



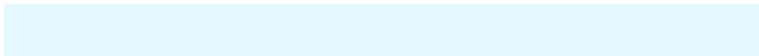
77.8178, 92.0826, 101.8519

# Triad

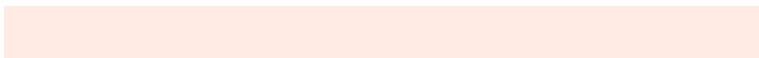
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8163, 92.0826, 87.7484



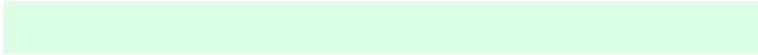
88.0751, 92.0826, 132.0121



96.2562, 92.0826, 85.2662

# Complementary

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



78.8163, 92.0826, 87.7484



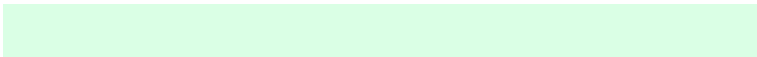
82.6409, 77.9353, 96.2751

# Split Complementary

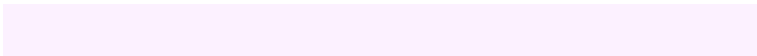
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.0006, 92.0826, 98.6893



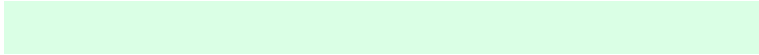
78.8163, 92.0826, 87.7484



93.1601, 92.0826, 126.4919

# Square

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



78.8163, 92.0826, 87.7484



83.0356, 92.0826, 128.3472



96.8457, 92.0826, 113.9127

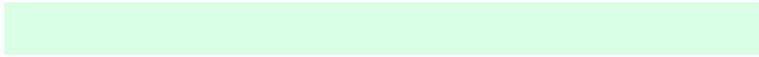


92.1666, 92.0826, 76.6059



# Rectangle

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



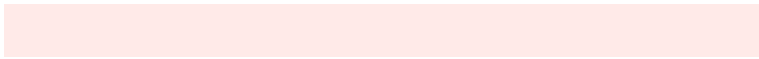
78.8163, 92.0826, 87.7484



78.5572, 92.0826, 112.0630



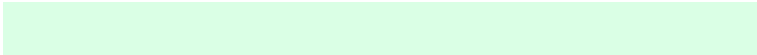
96.8457, 92.0826, 113.9127



97.1436, 92.0826, 89.3206

# Sweetspot

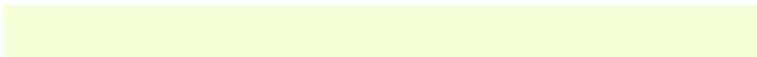
The Sweet Spot groups the original color and five complimentary colors.



78.8171, 92.0829, 87.7498



90.2638, 97.6635, 102.7644



85.9030, 95.9078, 80.3153



19.1332, 20.8128, 21.7544



0.0000, 0.0000, 0.0000

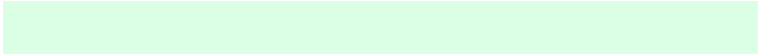


20.3446, 21.4041, 23.3091

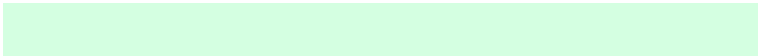


# Same Dimension

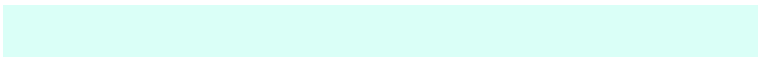
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8171, 92.0829, 87.7498



76.3383, 90.8762, 84.4221



81.4599, 93.1401, 101.6669



17.9938, 20.2570, 20.2701



19.4205, 37.6648, 10.0994



1.9365, 3.6855, 1.2234



# Inverse Universe

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



82.6409, 77.9353, 96.2751



80.7398, 74.5897, 94.2338



80.0418, 76.8956, 82.5881



18.5490, 18.2029, 21.5084



25.8790, 12.8409, 23.8109



2.5679, 1.2695, 2.5718



# Previews

## White Background



This preview shows how the XYZ color 78.8163, 92.0826, 87.7484 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

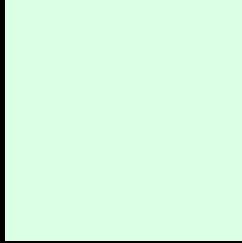
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8163, 92.0826, 87.7484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

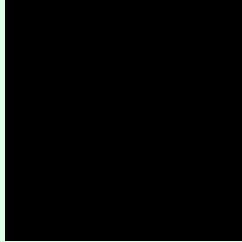
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

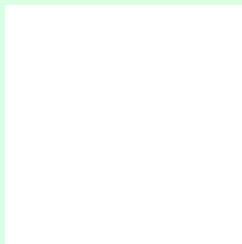
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 78.8163, 92.0826, 87.7484

## Background



This preview shows how black text looks on a background with the XYZ color 78.8163, 92.0826, 87.7484.



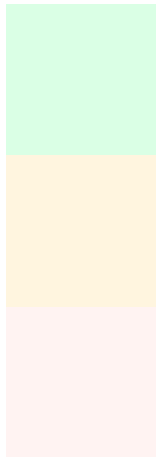
This preview shows how white text looks on a background with the XYZ color 78.8163, 92.0826,

87.7484.

# 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

78.8163, 92.0826, 87.7484

### Protanopia

87.2117, 91.8925, 82.9525

### Deuteranopia

89.3176, 91.7720, 97.0106



## Tritanopia

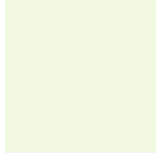
86.5707, 91.9187, 107.7871

# Trichromacy



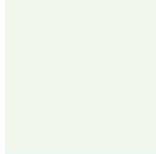
## Original Color

78.8163, 92.0826, 87.7484



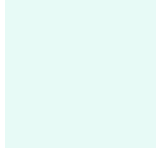
## Protanomaly

84.0842, 92.0649, 84.5727



## Deuteranomaly

85.1648, 91.5132, 93.2959



## Tritanomaly

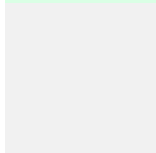
83.7752, 92.0140, 100.5338

# Monochromacy



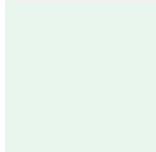
## Original Color

78.8163, 92.0826, 87.7484



## Achromatopsia

83.6081, 87.9622, 95.7909



## Achromatomaly

81.8461, 89.3496, 93.0532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8163, 92.0826, 87.7484 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(218, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 229)  
}
```

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(218, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8163, 92.0826, 87.7484 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(218, 255, 229) }
```



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

```
.border{ border-color:rgb(218, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8163, 92.0826, 87.7484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 229) }
```

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

```
.background{ background-color: rgb(218,  
255, 229) }
```

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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