

# Converting Colors

XYZ(76.2832, 89.8512, 86.7255)

Have a look what the booklet for  
XYZ(76.2832, 89.8512, 86.7255)  
contains.

<b>XYZ(76.2802, 89.8490, 86.7210)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.2802, 89.8490,  
86.7210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FDE4
RGB	212, 253, 228
RGB Percent	83%, 99%, 89%
CMY	0.1686, 0.0078, 0.1059
CMYK	0.16, 0.00, 0.10, 0.01
HSL	143°, 91%, 91%
HSV	143°, 16%, 99%
XYZ	76.2802, 89.8490, 86.7210
YIQ	237.8910, -16.4110, -16.4670

# Conversions

## Conversions Part 2

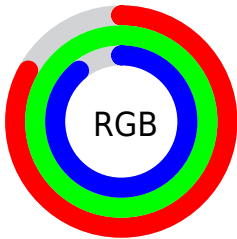
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 241, 253
Decimal	13958628
CIE Lab	95.93, -17.82, 7.60
CIE LCh	96, 19.376, 156.904
Yxy	89.8490, 0.3017, 0.3553
Android (android.graphics.Color)	4292148708 (0xFFD4FDE4)
YUV	237.8910, -4.8763, -22.7064
Hunter-Lab	94.7887, -22.2343, 12.1084

# Details

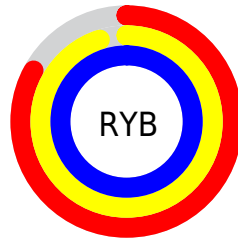
The XYZ color **76.2802, 89.8490, 86.7210** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3407, 74.0862, 90.2430**, and the grayscale version is **81.2314, 85.4617, 93.0678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1874, 49.6651, 46.9507** is the 20% darker color. If you saturate the color by 10%, you get **67.5037, 85.5636, 75.6253**, and if you desaturate by 10%, it is **86.3957, 94.8076, 98.8809**.

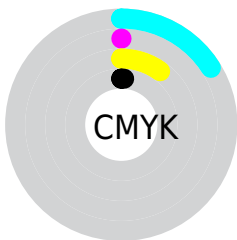
# Distribution



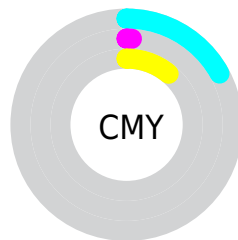
- Red (83%)
- Green (99%)
- Blue (89%)



- Red (83%)
- Yellow (95%)
- Blue (99%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)



- Cyan (17%)
- Magenta (1%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2802, 89.8490, 86.7210 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 76.2802, 89.8490, 86.7210 by changing the saturation by 10% instead.



76.2802, 89.8490,  
86.7210

76.2802, 89.8490,  
86.7210

471.2360,  
527.5395, 537.5980

56.9602, 67.8554,  
64.7060

127.1012,  
147.1286, 144.6706

41.2133, 49.7801,  
46.7729

159.3328,  
183.1835, 181.4424

28.6742, 35.2387,  
32.5031

196.5990,  
224.6942, 223.9701

18.9775, 23.8468,  
21.4781

239.2651,  
272.0451, 272.6725

11.7579, 15.2200,  
13.2793

287.6965,  
325.6208, 327.9679

6.6501, 8.9740,  
7.4882

342.2586,

3.2886, 4.7242,

385.8054, 390.2749

3.6862

403.3166,  
452.9836, 460.0121

■ 1.3082, 2.0864,  
1.4548

■ 0.1893, 0.6569,  
0.1839

■ 76.2802, 89.8490,  
86.7210

■ 76.2802, 89.8490,  
86.7210

■ 67.5037, 85.5636,  
75.6253

■ 86.3957, 94.8076,  
98.8809

■ 60.0006, 81.9106,  
65.5591

■ 94.4170, 98.7339,  
108.6890

■ 53.7110, 78.8623,  
56.4946

■ 48.5669, 76.3843,  
48.4001

■ 44.4935, 74.4386,  
41.2427

■ 41.4063, 72.9823,  
34.9871

■ 39.2072, 71.9657,  
29.5958

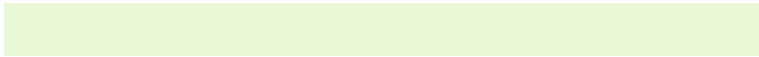
■ 37.7753, 71.3272,  
25.0280

■ 37.3660, 71.1496,  
23.4998

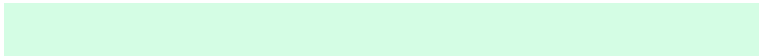
# Harmonies

## Analogous

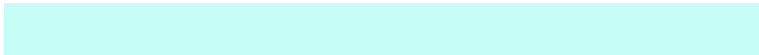
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3686, 89.8490, 76.1094



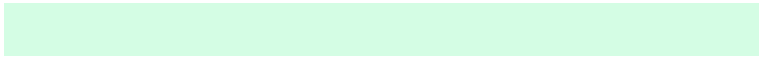
76.2802, 89.8490, 86.7210



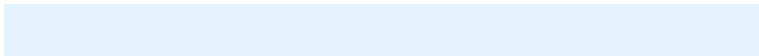
75.5867, 89.8490, 101.4151

# Triad

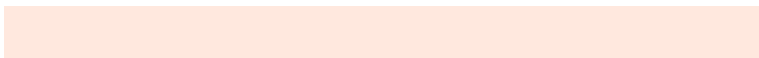
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2802, 89.8490, 86.7210



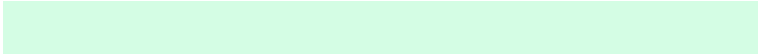
86.6415, 89.8490, 130.0945



93.8929, 89.8490, 81.1822

# Complementary

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



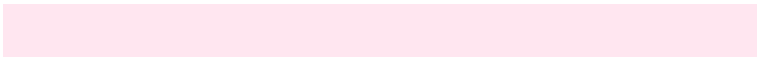
76.2802, 89.8490, 86.7210



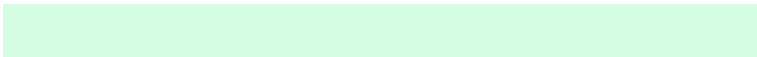
79.3407, 74.0862, 90.2430

# 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.



96.0253, 89.8490, 94.3309



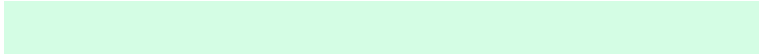
76.2802, 89.8490, 86.7210



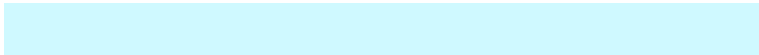
91.7270, 89.8490, 123.3344

# Square

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



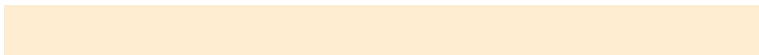
76.2802, 89.8490, 86.7210



81.4261, 89.8490, 127.5142



95.2165, 89.8490, 109.8500

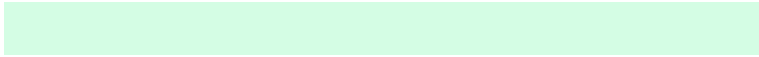


89.4986, 89.8490, 73.1525



# Rectangle

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



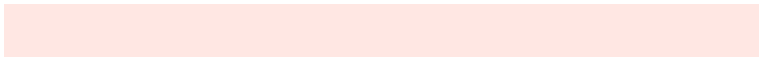
76.2802, 89.8490, 86.7210



76.5485, 89.8490, 111.7782



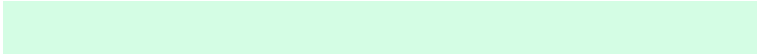
95.2165, 89.8490, 109.8500



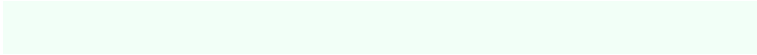
94.9062, 89.8490, 85.0938

# Sweetspot

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



76.2827, 89.8528, 86.7230



89.2871, 97.1708, 102.2280



82.0319, 93.0615, 75.9276



18.9439, 20.7165, 21.6851



0.0000, 0.0000, 0.0000

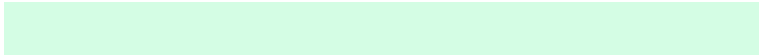


20.3446, 21.4041, 23.3091

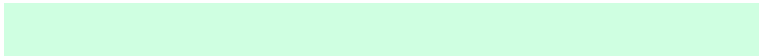


# Same Dimension

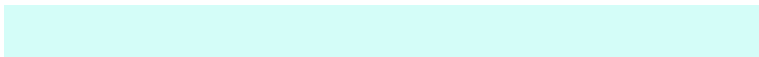
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2827, 89.8528, 86.7230



75.0195, 90.1818, 85.0136



79.2565, 91.0423, 102.3830



18.0650, 20.2855, 20.6454



19.9427, 37.8737, 12.8494



1.9935, 3.7083, 1.5234



# Inverse Universe

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



79.3407, 74.0862, 90.2430



78.5979, 71.7295, 89.1312



76.5503, 72.9700, 75.5494



18.4748, 18.1732, 21.1173



24.7374, 12.3843, 17.7997



2.4622, 1.2273, 2.0156



# Previews

## White Background



This preview shows how the XYZ color 76.2802, 89.8490, 86.7210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

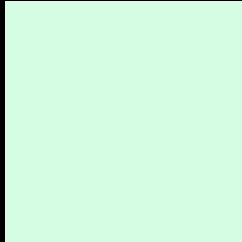
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2802, 89.8490, 86.7210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

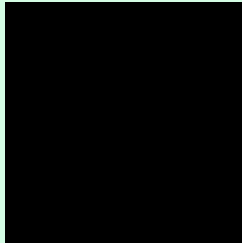
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

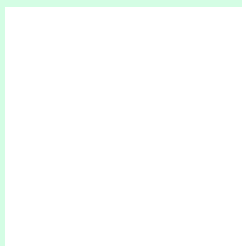
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.2802, 89.8490, 86.7210**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2802, 89.8490, 86.7210.



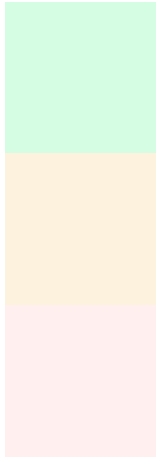
This preview shows how white text looks on a background with the XYZ color 76.2802, 89.8490,

86.7210.

# 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

76.2802, 89.8490, 86.7210

### Protanopia

85.0818, 89.4736, 81.8931

### Deuteranopia

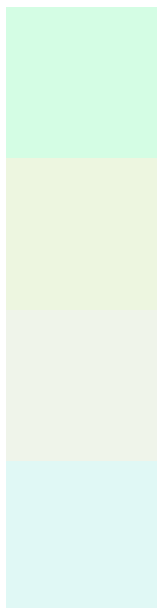
87.5391, 89.1661, 93.4859



## Tritanopia

83.6574, 89.5137, 107.4764

# Trichromacy



## Original Color

76.2802, 89.8490, 86.7210

## Protanomaly

81.3354, 89.2979, 83.4704

## Deuteranomaly

82.7986, 88.9926, 90.6552

## Tritanomaly

80.7893, 89.5747, 99.4178

# Monochromacy



## Original Color

76.2802, 89.8490, 86.7210

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

79.2150, 86.6997, 90.4015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2802, 89.8490, 86.7210 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(212, 253, 228)` looks like.

```
.text, #text, p{  
    color:rgb(212, 253, 228)  
}
```

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(212, 253, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 253, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2802, 89.8490, 86.7210 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(212, 253, 228) }
```



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

```
.border{ border-color:rgb(212, 253, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 253, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 253, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 253, 228); box-shadow:4px 4px 4px 4px rgb(212, 253, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2802, 89.8490, 86.7210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 253, 228) }
```

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

```
.background{ background-color: rgb(212,  
253, 228) }
```

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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