

# Converting Colors

XYZ(80.5782, 100.0000,  
86.7475)

Have a look what the booklet for  
XYZ(80.5782, 100.0000, 86.7475)  
contains.

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# Color

**XYZ(76.0658, 90.7126,  
85.4517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFE2
RGB	210, 255, 226
RGB Percent	82%, 100%, 89%
CMY	0.1765, 0.0000, 0.1137
CMYK	0.18, 0.00, 0.11, 0.00
HSL	141°, 100%, 91%
HSV	141°, 18%, 100%
XYZ	76.0658, 90.7126, 85.4517
YIQ	238.2390, -17.5110, -18.5590

# Conversions

## Conversions Part 2

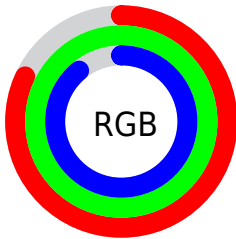
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 243, 255
Decimal	13828066
CIE <sub>Lab</sub>	96.29, -19.80, 9.13
CIE <sub>LCh</sub>	96, 21.801, 155.254
Y <sub>xy</sub>	90.7126, 0.3016, 0.3596
Android (android.graphics.Color)	4292018146 (0xFFD2FFE2)
YUV	238.2390, -6.0338, -24.7656
Hunter-Lab	95.2432, -24.1168, 13.4755

# Details

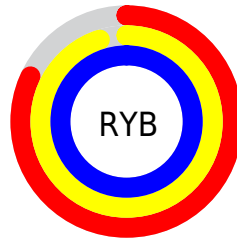
The XYZ color **76.0658, 90.7126, 85.4517** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.8670, 73.5861, 91.6553**, and the grayscale version is **81.5077, 85.7525, 93.3845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0623, 50.2970, 46.0722** is the 20% darker color. If you saturate the color by 10%, you get **67.2268, 86.4041, 73.8261**, and if you desaturate by 10%, it is **86.2793, 95.7047, 98.2727**.

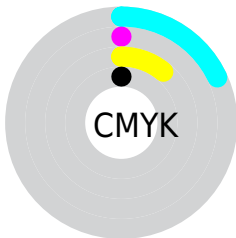
# Distribution



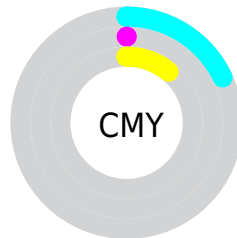
- Red (82%)
- Green (100%)
- Blue (89%)



- Red (82%)
- Yellow (95%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0658, 90.7126, 85.4517 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 76.0658, 90.7126, 85.4517 by changing the saturation by 10% instead.



76.0658, 90.7126,  
85.4517

76.0658, 90.7126,  
85.4517

470.5138,  
530.3462, 533.3051

56.7837, 68.5718,  
63.6624

126.7998,  
148.3278, 142.8839

41.0711, 50.3631,  
45.9328

158.9824,  
184.5711, 179.3638

28.5625, 35.7020,  
31.8445

196.1958,  
226.2839, 221.5776

18.8928, 24.2041,  
20.9790

238.8056,  
273.8508, 269.9440

11.6964, 15.4851,  
12.9175

287.1769,  
327.6561, 324.8814

6.6080, 9.1605,  
7.2417

341.6751,

3.2623, 4.8460,

388.0841, 386.8083

3.5330

402.6656,  
455.5194, 456.1434

■ 1.2940, 2.1572,  
1.3728

■ 0.1787, 0.6965,  
0.1204

■ 76.0658, 90.7126,  
85.4517

■ 76.0658, 90.7126,  
85.4517

■ 67.2268, 86.4041,  
73.8261

■ 86.2793, 95.7047,  
98.2727

■ 59.6993, 82.7474,  
63.3572

95.0500, 100.0000,  
108.9000

■ 53.4186, 79.7100,  
54.0102

■ 48.3134, 77.2558,  
45.7474

■ 44.3051, 75.3451,  
38.5285

■ 41.3046, 73.9328,  
32.3107

■ 39.2080, 72.9662,  
27.0482

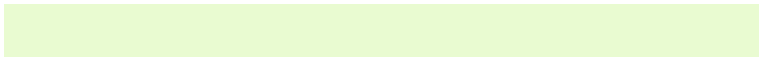
■ 37.8798, 72.3766,  
22.6905

■ 37.6342, 72.2697,  
21.7893

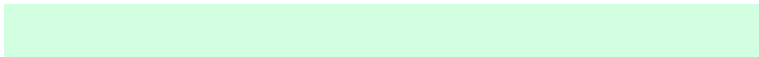
# Harmonies

## Analogous

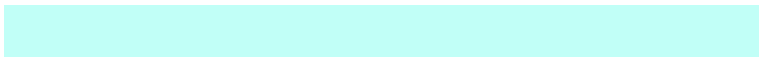
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6682, 90.7126, 73.9524



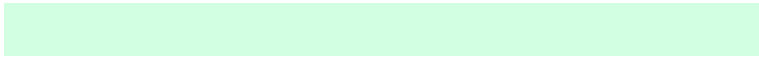
76.0658, 90.7126, 85.4517



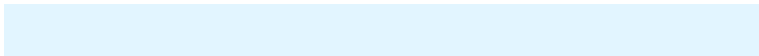
75.1306, 90.7126, 101.8577

# Triad

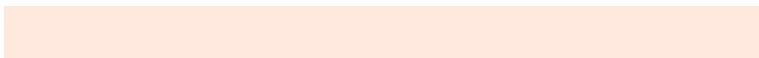
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0658, 90.7126, 85.4517



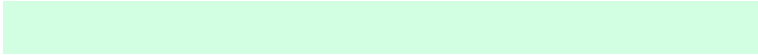
87.2909, 90.7126, 135.8617



96.0877, 90.7126, 80.7361

# Complementary

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



76.0658, 90.7126, 85.4517



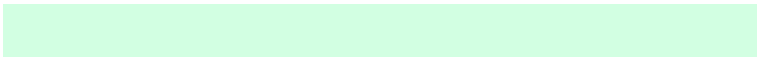
79.8670, 73.5861, 91.6553

# 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.



98.3493, 90.7126, 95.7465



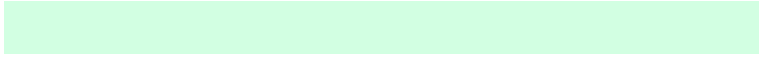
76.0658, 90.7126, 85.4517



93.1207, 90.7126, 128.5997

# Square

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



76.0658, 90.7126, 85.4517



81.4341, 90.7126, 132.2775



97.2390, 90.7126, 113.4062

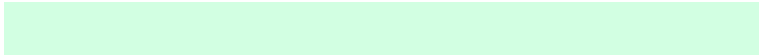


91.1890, 90.7126, 71.4615



# Rectangle

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



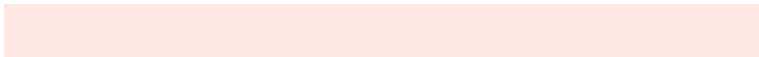
76.0658, 90.7126, 85.4517



76.1060, 90.7126, 113.7007



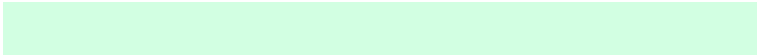
97.2390, 90.7126, 113.4062



97.1917, 90.7126, 85.2083

# Sweetspot

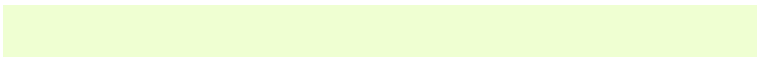
The Sweet Spot groups the original color and five complimentary colors.



76.0666, 90.7130, 85.4531



89.2189, 97.1436, 101.8689



83.0744, 94.5676, 74.8488



18.9273, 20.7099, 21.5979



0.0000, 0.0000, 0.0000

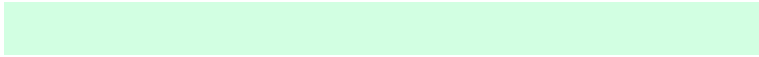


20.3446, 21.4041, 23.3091

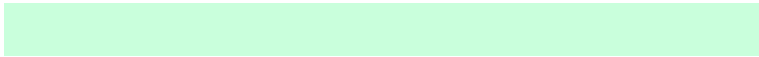


# Same Dimension

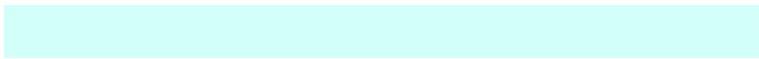
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0666, 90.7130, 85.4531



72.9520, 89.1933, 81.4226



79.3210, 92.0148, 102.5906



18.0383, 20.2749, 20.5049



19.7289, 37.7881, 11.7234



1.9707, 3.6992, 1.4034



# Inverse Universe

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



79.8670, 73.5861, 91.6553



77.3661, 69.2972, 88.6237



76.7791, 72.3509, 75.3947



18.5024, 18.1843, 21.2626



25.1394, 12.5451, 19.9164

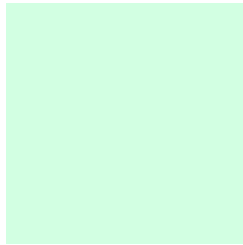


2.4998, 1.2423, 2.2134



# Previews

## White Background



This preview shows how the XYZ color 76.0658, 90.7126, 85.4517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

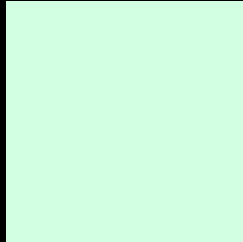
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0658, 90.7126, 85.4517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

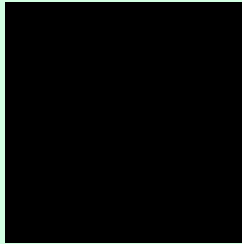
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

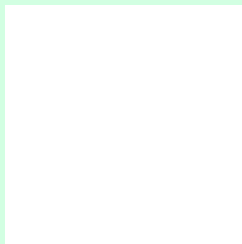
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.0658, 90.7126, 85.4517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0658, 90.7126, 85.4517.



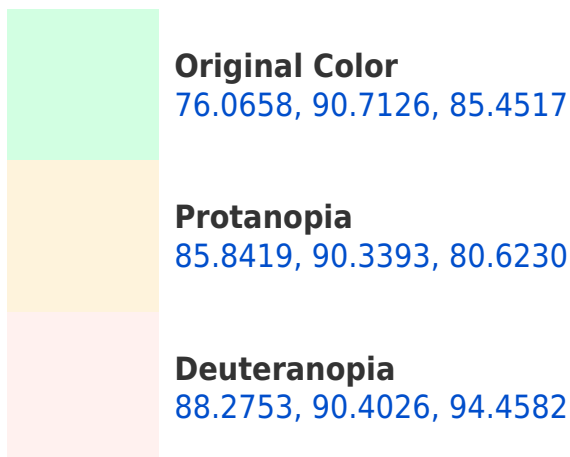
This preview shows how white text looks on a background with the XYZ color 76.0658, 90.7126,

85.4517.

# 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





## Tritanopia

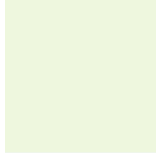
84.6100, 90.4552, 107.6079

# Trichromacy



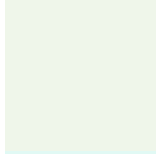
## Original Color

76.0658, 90.7126, 85.4517



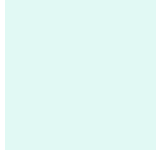
## Protanomaly

81.7055, 89.9726, 82.1674



## Deuteranomaly

83.4037, 90.2028, 90.8569



## Tritanomaly

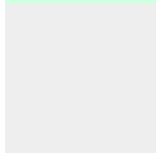
81.2562, 90.2906, 98.7331

# Monochromacy



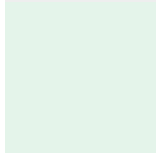
## Original Color

76.0658, 90.7126, 85.4517



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.1969, 87.1359, 90.4867

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0658, 90.7126, 85.4517 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(210, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 226)  
}
```

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(210, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0658, 90.7126, 85.4517 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(210, 255, 226) }
```



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

```
.border{ border-color:rgb(210, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0658, 90.7126, 85.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 226) }
```

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

```
.background{ background-color: rgb(210,  
255, 226) }
```

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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