

# Converting Colors

XYZ(78.1496, 96.4260, 80.0228)

Have a look what the booklet for  
XYZ(78.1496, 96.4260, 80.0228)  
contains.

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# Color

**XYZ(75.1484, 90.3786,  
79.1297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FFD9
RGB	211, 255, 217
RGB Percent	83%, 100%, 85%
CMY	0.1725, 0.0000, 0.1490
CMYK	0.17, 0.00, 0.15, 0.00
HSL	128°, 100%, 91%
HSV	128°, 17%, 100%
XYZ	75.1484, 90.3786, 79.1297
YIQ	237.5120, -14.0260, -21.1460

# Conversions

## Conversions Part 2

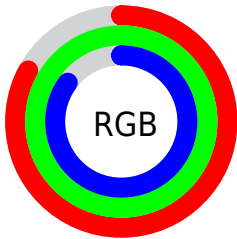
Format	Color
<a href="#">RYB</a>	<a href="#">211, 250, 255</a>
Decimal	<a href="#">13893593</a>
CIELab	<a href="#">96.15, -21.08, 13.55</a>
CIElCh	<a href="#">96, 25.060, 147.257</a>
Yxy	<a href="#">90.3786, 0.3072, 0.3694</a>
Android (android.graphics.Color)	<a href="#">4292083673</a> ( <a href="#">0xFFD3FFD9</a> )
YUV	<a href="#">237.5120, -10.1124, -23.2510</a>
Hunter-Lab	<a href="#">95.0677, -25.2690, 17.1972</a>

# Details

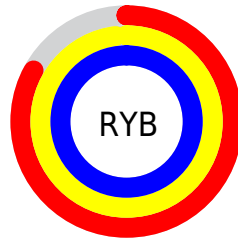
The XYZ color **75.1484, 90.3786, 79.1297** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.6336, 74.6890, 99.7363**, and the grayscale version is **80.9739, 85.1908, 92.7728**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4260, 50.0647, 41.7152** is the 20% darker color. If you saturate the color by 10%, you get **65.7369, 85.8360, 64.7209**, and if you desaturate by 10%, it is **86.1026, 95.6723, 95.6089**.

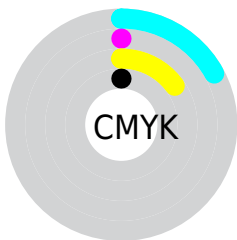
# Distribution



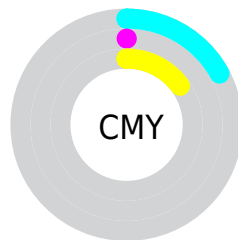
- Red (83%)
- Green (100%)
- Blue (85%)



- Red (83%)
- Yellow (98%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (17%)
- Magenta (0%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1484, 90.3786, 79.1297 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 75.1484, 90.3786, 79.1297 by changing the saturation by 10% instead.



75.1484, 90.3786,  
79.1297

75.1484, 90.3786,  
79.1297

467.4168,  
529.2617, 511.6242

56.0291, 68.2947,  
58.4805

125.5092,  
147.8642, 133.9418

40.4633, 50.1375,  
41.7778

157.4814,  
184.0346, 168.9417

28.0858, 35.5227,  
28.6031

194.4685,  
225.6694, 209.5623

18.5311, 24.0658,  
18.5378

236.8361,  
273.1529, 256.2221

11.4340, 15.3824,  
11.1633

284.9493,  
326.8694, 309.3397

6.4290, 9.0882,  
6.0613

339.1736,

3.1507, 4.7988,

387.2035, 369.3335

2.8130

399.8743,  
454.5394, 436.6222

■ 1.2340, 2.1297,  
0.9999

■ 0.1329, 0.6812,  
0.0000

■ 75.1484, 90.3786,  
79.1297

■ 75.1484, 90.3786,  
79.1297

■ 65.7369, 85.8360,  
64.7209

■ 86.1026, 95.6723,  
95.6089

■ 57.7962, 82.0092,  
52.2966

95.0500, 100.0000,  
108.9000

■ 51.2523, 78.8619,  
41.7709

■ 46.0235, 76.3540,  
33.0503

■ 42.0198, 74.4411,  
26.0334

■ 39.1394, 73.0734,  
20.6084

■ 37.2642, 72.1923,  
16.6504

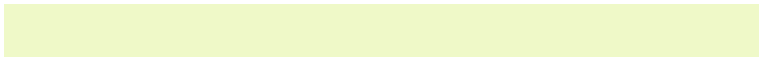
■ 36.2448, 71.7240,  
14.0154

■ 36.0600, 71.6400,  
13.5000

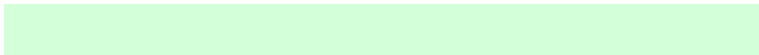
# Harmonies

## Analogous

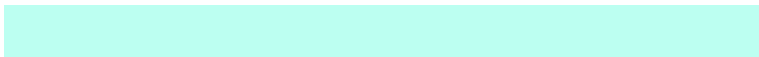
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9280, 90.3786, 68.1631



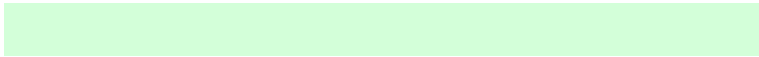
75.1484, 90.3786, 79.1297



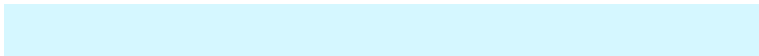
73.2372, 90.3786, 96.5872

# Triad

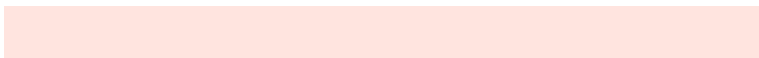
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1484, 90.3786, 79.1297



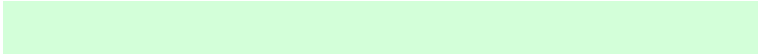
85.2644, 90.3786, 141.7837



98.3338, 90.3786, 81.9040

# Complementary

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



75.1484, 90.3786, 79.1297



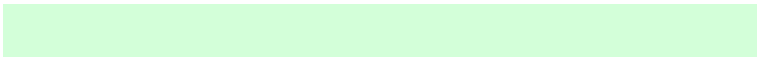
81.6336, 74.6890, 99.7363

# 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.



99.9490, 90.3786, 100.2494



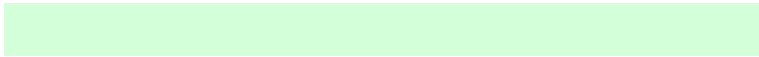
75.1484, 90.3786, 79.1297



92.1668, 90.3786, 136.4876

# Square

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



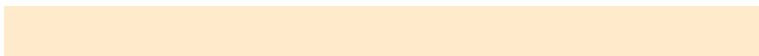
75.1484, 90.3786, 79.1297



78.8771, 90.3786, 134.2229



97.6358, 90.3786, 120.5853

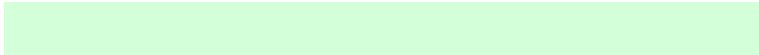


93.3324, 90.3786, 69.6067



# Rectangle

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



75.1484, 90.3786, 79.1297



73.7654, 90.3786, 110.1989



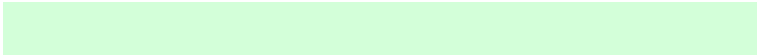
97.6358, 90.3786, 120.5853



99.3021, 90.3786, 87.4877

# Sweetspot

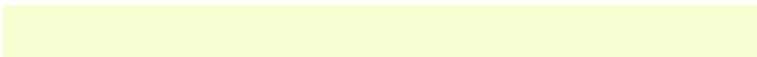
The Sweet Spot groups the original color and five complimentary colors.



75.1491, 90.3790, 79.1311



88.7912, 96.9725, 99.6168



86.6327, 96.3875, 75.6679



18.8237, 20.6684, 21.0521



0.0000, 0.0000, 0.0000

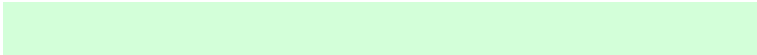


20.3446, 21.4041, 23.3091

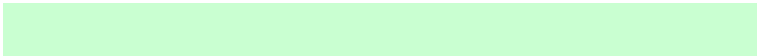


# Same Dimension

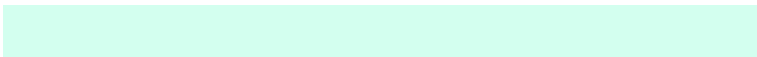
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1491, 90.3790, 79.1311



71.4466, 88.5912, 73.4954



78.1849, 91.5933, 95.1171



17.8724, 20.2085, 19.6311



18.8727, 37.4457, 7.2151



1.8670, 3.6577, 0.8573



# Inverse Universe

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



81.6336, 74.6890, 99.7363



79.1280, 70.0019, 97.9021



78.4184, 73.4029, 82.8055



18.6798, 18.2552, 22.1971



28.3557, 13.8316, 36.8531

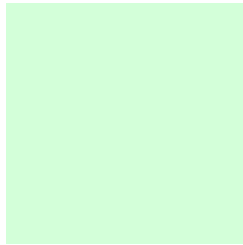


2.7891, 1.3580, 3.7366



# Previews

## White Background



This preview shows how the XYZ color 75.1484, 90.3786, 79.1297 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

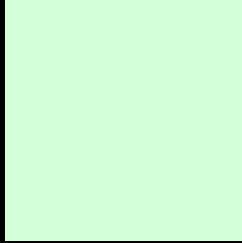
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1484, 90.3786, 79.1297 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

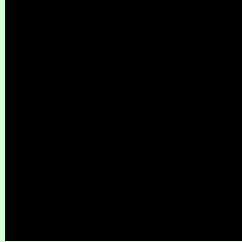
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

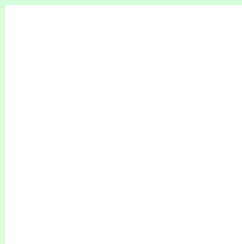
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1484, 90.3786, 79.1297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1484, 90.3786, 79.1297.



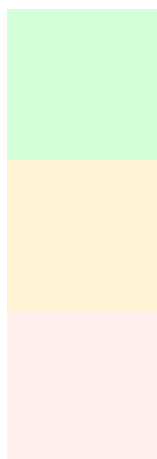
This preview shows how white text looks on a background with the XYZ color 75.1484, 90.3786,

79.1297.

# 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

75.1484, 90.3786, 79.1297

### Protanopia

85.0485, 90.0643, 74.5296

### Deuteranopia

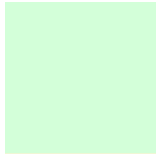
87.5404, 89.6363, 92.0445



## Tritanopia

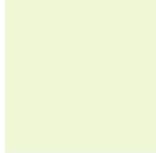
84.6100, 90.4552, 107.6079

# Trichromacy



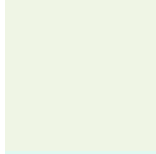
## Original Color

75.1484, 90.3786, 79.1297



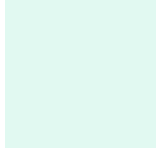
## Protanomaly

80.8676, 89.6763, 75.9979



## Deuteranomaly

82.3919, 89.3127, 87.0253



## Tritanomaly

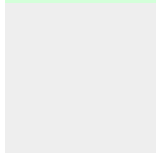
80.8042, 90.1098, 96.3532

# Monochromacy



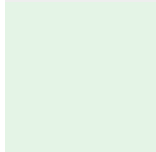
## Original Color

75.1484, 90.3786, 79.1297



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.6285, 86.9085, 87.4938

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1484, 90.3786, 79.1297 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(211, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 217)  
}
```

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(211, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1484, 90.3786, 79.1297 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(211, 255, 217) }
```



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

```
.border{ border-color:rgb(211, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1484, 90.3786, 79.1297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 217) }
```

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

```
.background{ background-color: rgb(211,  
255, 217) }
```

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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