

# Converting Colors

XYZ(75.1728, 81.5569, 93.2747)

Have a look what the booklet for  
XYZ(75.1728, 81.5569, 93.2747)  
contains.

<b>XYZ(75.0906, 81.4385, 93.4229)</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(75.0906, 81.4385,  
93.4229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCECEF
RGB	220, 236, 239
RGB Percent	86%, 93%, 94%
CMY	0.1372, 0.0745, 0.0627
CMYK	0.08, 0.01, 0.00, 0.06
HSL	189°, 37%, 90%
HSV	189°, 8%, 94%
XYZ	75.0906, 81.4385, 93.4229
YIQ	231.5580, -10.4990, -2.4590

# Conversions

## Conversions Part 2

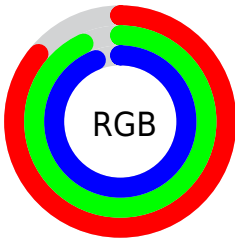
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 229, 239
Decimal	14478575
CIE Lab	92.33, -4.70, -3.28
CIE LCh	92, 5.730, 214.885
Yxy	81.4385, 0.3004, 0.3258
Android (android.graphics.Color)	4292668655 (0xFFDCECEF)
YUV	231.5580, 3.6689, -10.1364
Hunter-Lab	90.2433, -9.3975, 1.7913

# Details

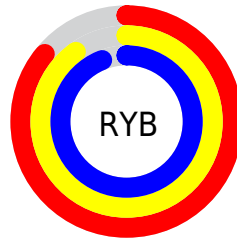
The XYZ color **75.0906, 81.4385, 93.4229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9029, 76.2928, 78.4896**, and the grayscale version is **76.3525, 80.3287, 87.4780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3856, 44.0607, 51.1758** is the 20% darker color. If you saturate the color by 10%, you get **67.2947, 75.8276, 92.7520**, and if you desaturate by 10%, it is **83.9482, 87.6351, 94.1534**.

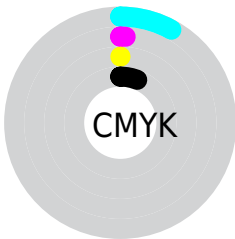
# Distribution



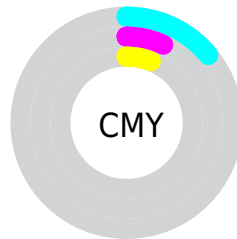
- Red (86%)
- Green (93%)
- Blue (94%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (7%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0906, 81.4385, 93.4229 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 75.0906, 81.4385, 93.4229 by changing the saturation by 10% instead.



■ 75.0906, 81.4385,  
93.4229

■ 75.0906, 81.4385,  
93.4229

467.2213,  
499.7676, 559.9585

■ 55.9816, 60.9028,  
70.2334

125.4278,  
135.3863, 154.0607

■ 40.4251, 44.1467,  
51.2389

157.3867,  
169.5672, 192.3462

■ 28.0558, 30.7859,  
36.0207

194.3596,  
209.0653, 236.5007

■ 18.5084, 20.4359,  
24.1604

236.7118,  
254.2650, 286.9429

■ 11.4175, 12.7123,  
15.2393

284.8087,  
305.5507, 344.0912

■ 6.4177, 7.2307,  
8.8390

339.0157,

■ 3.1438, 3.6068,

363.3067, 408.3642

4.5410

399.6981,  
427.9176, 480.1805

■ 1.2302, 1.4561,  
1.9266

■ 0.1300, 0.2576,  
0.5096

■ 75.0906, 81.4385,  
93.4229

■ 75.0906, 81.4385,  
93.4229

■ 67.2947, 75.8276,  
92.7520

■ 83.9482, 87.6351,  
94.1534

■ 60.5097, 70.7695,  
92.1333

■ 89.0338, 91.9192,  
94.7123

■ 54.6910, 66.2431,  
91.5663

■ 90.1768, 94.2053,  
95.0933

■ 49.7880, 62.2221,  
91.0486

■ 91.3431, 96.5379,  
95.4820

■ 45.7452, 58.6777,  
90.5776

■ 92.5329, 98.9175,  
95.8786

■ 42.5010, 55.5780,  
90.1502

■ 92.5802, 99.0121,  
95.8944

■ 39.9857, 52.8868,  
89.7634

■ 38.1168, 50.5613,  
89.4130

■ 36.7813, 48.5431,  
89.0938

# Harmonies

## Analogous

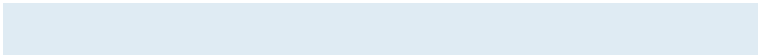
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6000, 81.4385, 89.3695



75.0906, 81.4385, 93.4229



76.2016, 81.4385, 96.2698

# Triad

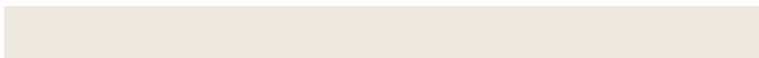
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0906, 81.4385, 93.4229



80.0140, 81.4385, 92.1821



77.1624, 81.4385, 80.7868

# Complementary

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



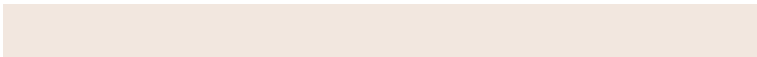
75.0906, 81.4385, 93.4229



74.9029, 76.2928, 78.4896

# 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.



78.6207, 81.4385, 81.4861



75.0906, 81.4385, 93.4229



80.2792, 81.4385, 87.9795

# Square

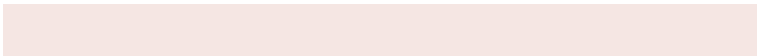
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0906, 81.4385, 93.4229



79.0462, 81.4385, 95.5376



79.7662, 81.4385, 84.0863



75.7864, 81.4385, 82.1448

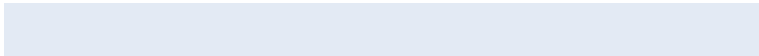


# Rectangle

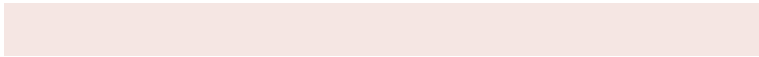
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



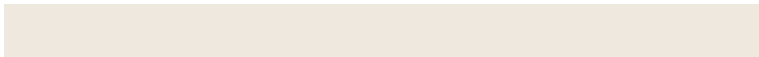
75.0906, 81.4385, 93.4229



77.1510, 81.4385, 97.0527



79.7662, 81.4385, 84.0863



77.6592, 81.4385, 80.7895

# Sweetspot

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



75.0929, 81.4419, 93.4247



92.9425, 98.5334, 108.7280



73.6820, 82.2696, 81.7035



19.9156, 21.1056, 23.2741



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

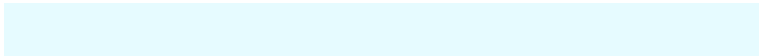


# Same Dimension

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



75.0929, 81.4419, 93.4247



85.0133, 92.9413, 108.0665



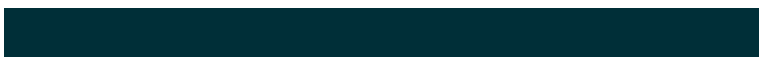
72.4699, 76.1959, 92.5504



16.0227, 17.4795, 20.2510



20.2721, 26.7685, 49.2263



1.7429, 2.3398, 4.1140



# Inverse Universe

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



76.3319, 75.5948, 89.9290



86.8070, 84.5394, 102.9915



77.4714, 81.4299, 79.3458



16.3409, 15.9861, 19.3514



25.5580, 12.4956, 31.9189

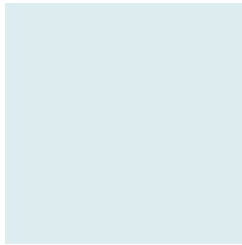


2.1547, 1.0509, 2.8054



# Previews

## White Background



This preview shows how the XYZ color 75.0906, 81.4385, 93.4229 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

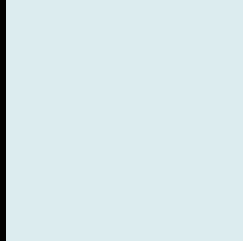
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0906, 81.4385, 93.4229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

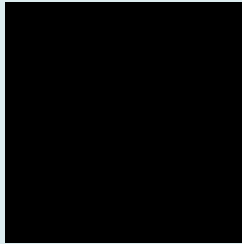
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

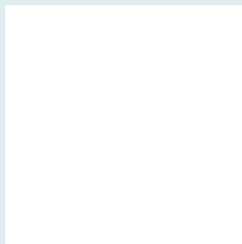
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.0906, 81.4385, 93.4229**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0906, 81.4385, 93.4229.



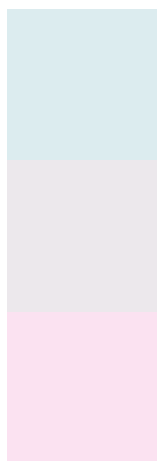
This preview shows how white text looks on a background with the XYZ color 75.0906, 81.4385,

93.4229.

# 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

75.0906, 81.4385, 93.4229

### Protanopia

78.5890, 81.6022, 90.9656

### Deuteranopia

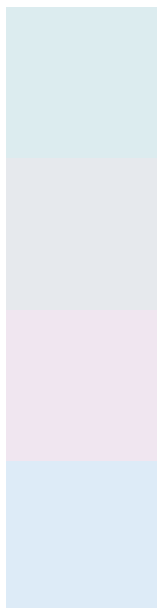
82.8572, 81.2528, 94.5354



## **Tritanopia**

77.1177, 81.4035, 103.7434

# Trichromacy



## Original Color

75.0906, 81.4385, 93.4229

## Protanomaly

77.0581, 81.2152, 91.7355

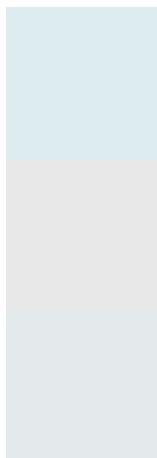
## Deuteranomaly

79.9602, 81.4102, 93.9375

## Tritanomaly

76.3156, 81.5042, 99.7053

# Monochromacy



## Original Color

75.0906, 81.4385, 93.4229

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1292, 80.7700, 90.1750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0906, 81.4385, 93.4229 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(220, 236, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 236, 239)  
}
```

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(220, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 236, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0906, 81.4385, 93.4229 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(220, 236, 239) }
```



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

```
.border{ border-color:rgb(220, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 236,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0906, 81.4385, 93.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 236, 239) }
```

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

```
.background{ background-color: rgb(220,  
236, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor