

# Converting Colors

XYZ(75.9256, 84.2146, 93.7986)

Have a look what the booklet for  
XYZ(75.9256, 84.2146, 93.7986)  
contains.

<b>XYZ(75.9487, 84.0480, 93.8813)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(75.9487, 84.0480,  
93.8813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF1EF
RGB	218, 241, 239
RGB Percent	85%, 95%, 94%
CMY	0.1451, 0.0549, 0.0627
CMYK	0.10, 0.00, 0.01, 0.05
HSL	175°, 45%, 90%
HSV	175°, 10%, 95%
XYZ	75.9487, 84.0480, 93.8813
YIQ	233.8950, -13.0660, -5.4980

# Conversions

## Conversions Part 2

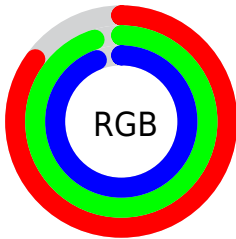
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 230, 241
Decimal	14348783
CIE Lab	93.47, -7.88, -1.61
CIE LCh	93, 8.045, 191.571
Yxy	84.0480, 0.2992, 0.3311
Android (android.graphics.Color)	4292538863 (0xFFDAF1EF)
YUV	233.8950, 2.5168, -13.9399
Hunter-Lab	91.6777, -12.5609, 3.4593

# Details

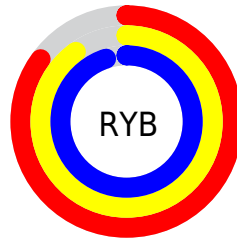
The XYZ color **75.9487, 84.0480, 93.8813** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2683, 74.0131, 78.0856**, and the grayscale version is **78.1179, 82.1861, 89.5007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0005, 45.9034, 51.4990** is the 20% darker color. If you saturate the color by 10%, you get **68.9515, 80.4787, 91.9459**, and if you desaturate by 10%, it is **84.0022, 88.1660, 95.8884**.

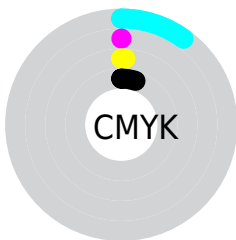
# Distribution



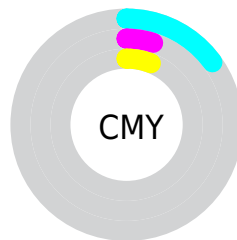
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9487, 84.0480, 93.8813 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 75.9487, 84.0480, 93.8813 by changing the saturation by 10% instead.



75.9487, 84.0480,  
93.8813

75.9487, 84.0480,  
93.8813

470.1192,  
508.4726, 561.4699

56.6874, 63.0551,  
70.6125

126.6351,  
139.0423, 154.7004

40.9934, 45.8858,  
51.5461

158.7909,  
173.8125, 193.0878

28.5016, 32.1557,  
36.2637

195.9756,  
213.9439, 237.3518

18.8465, 21.4804,  
24.3466

238.5544,  
259.8208, 287.9110

11.6628, 13.4756,  
15.3764

286.8929,  
311.8278, 345.1838

6.5850, 7.7569,  
8.9344

341.3562,

3.2480, 3.9398,

370.3492, 409.5889

4.6022

402.3099,  
435.7693, 481.5448

■ 1.2862, 1.6399,  
1.9612

■ 0.1729, 0.3843,  
0.5313

■ 75.9487, 84.0480,  
93.8813

■ 75.9487, 84.0480,  
93.8813

■ 68.9515, 80.4787,  
91.9459

■ 84.0022, 88.1660,  
95.8884

■ 62.9584, 77.4244,  
90.0745

■ 88.9048, 90.6569,  
97.7652

■ 57.9234, 74.8636,  
88.2666

■ 89.2240, 90.7846,  
99.4465

■ 53.7944, 72.7694,  
86.5197

■ 89.5469, 90.9138,  
101.1468

■ 50.5139, 71.1122,  
84.8311

■ 89.8735, 91.0444,  
102.8665

■ 48.0182, 69.8592,  
83.1977

■ 90.2037, 91.1765,  
104.6054

■ 46.2342, 68.9726,  
81.6160

■ 90.5376, 91.3100,  
106.3636

■ 45.0754, 68.4080,  
80.0820

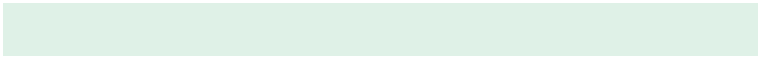
■ 90.7469, 91.3937,  
107.4656

■ 44.4033, 68.0939,  
78.5890

# Harmonies

## Analogous

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



76.0711, 84.0480, 87.8643



75.9487, 84.0480, 93.8813



76.8671, 84.0480, 99.5004

# Triad

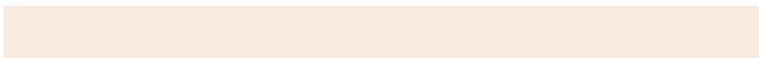
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9487, 84.0480, 93.8813



82.6271, 84.0480, 100.5506



81.1838, 84.0480, 80.8552

# Complementary

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



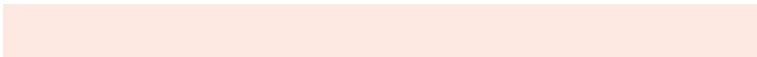
75.9487, 84.0480, 93.8813



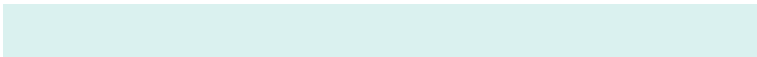
74.2683, 74.0131, 78.0856

# 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.



82.9811, 84.0480, 83.9668



75.9487, 84.0480, 93.8813



83.8245, 84.0480, 95.2633

# Square

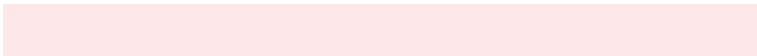
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9487, 84.0480, 93.8813



80.7075, 84.0480, 103.4633



83.9552, 84.0480, 89.1868



79.0683, 84.0480, 80.5220



# Rectangle

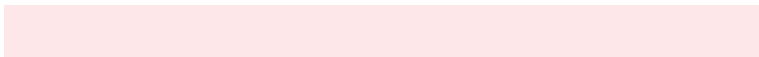
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



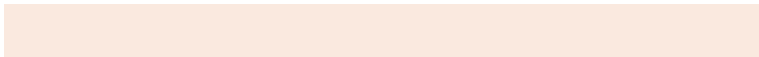
75.9487, 84.0480, 93.8813



77.9557, 84.0480, 102.1952



83.9552, 84.0480, 89.1868



81.8461, 84.0480, 81.6042

# Sweetspot

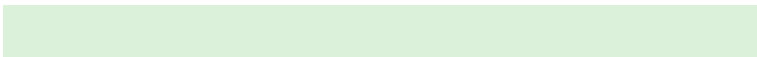
The Sweet Spot groups the original color and five complimentary colors.



75.9511, 84.0515, 93.8832



92.1842, 98.5350, 108.2069



73.7188, 83.2386, 78.5122



19.5713, 21.0088, 23.1213



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.



75.9511, 84.0515, 93.8832



85.0819, 94.9064, 106.3932



73.5934, 78.8598, 94.5659



16.1845, 17.9038, 19.9945



24.0889, 36.9276, 42.7128

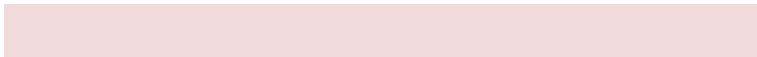


2.0213, 3.0790, 3.6445

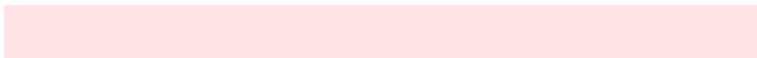


# Inverse Universe

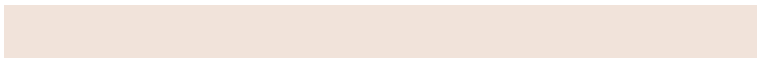
The Inverse Universe completely reimagines the original color for something new.



74.2683, 74.0131, 78.0856



82.8932, 81.8500, 85.8466



76.4573, 78.8132, 77.5137



15.8287, 15.7812, 16.6541



19.7649, 10.1784, 1.4128

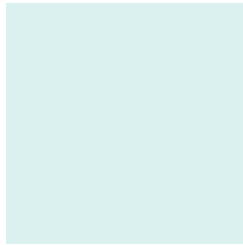


1.6633, 0.8543, 0.2176



# Previews

## White Background



This preview shows how the XYZ color 75.9487, 84.0480, 93.8813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

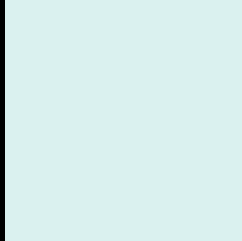
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9487, 84.0480, 93.8813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

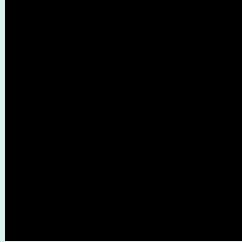
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

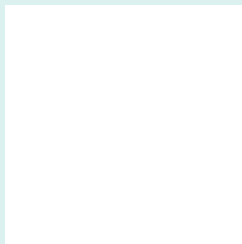
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.9487, 84.0480, 93.8813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9487, 84.0480, 93.8813.



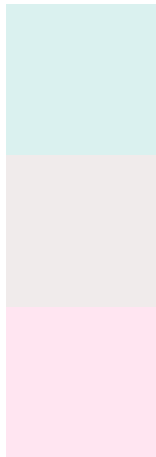
This preview shows how white text looks on a background with the XYZ color 75.9487, 84.0480,

93.8813.

# 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

75.9487, 84.0480, 93.8813

### Protanopia

80.6389, 83.9401, 90.5492

### Deuteranopia

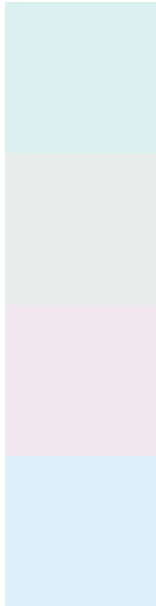
85.1365, 83.6495, 94.8779



## **Tritanopia**

79.0560, 84.0570, 106.6657

# Trichromacy



## Original Color

75.9487, 84.0480, 93.8813

## Protanomaly

78.7032, 83.7803, 91.3800

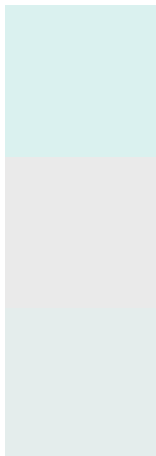
## Deuteranomaly

81.4850, 83.4463, 94.2501

## Tritanomaly

77.7842, 83.9447, 101.7258

# Monochromacy



## Original Color

75.9487, 84.0480, 93.8813

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.4194, 83.1185, 91.3199

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9487, 84.0480, 93.8813 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, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(218, 241, 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(218, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 241, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9487, 84.0480, 93.8813 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, 241, 239) }
```



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

```
.border{ border-color:rgb(218, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 241,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9487, 84.0480, 93.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 241, 239) }
```

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

```
.background{ background-color: rgb(218,  
241, 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