

# Converting Colors

XYZ(74.5278, 84.8463, 85.1397)

Have a look what the booklet for  
XYZ(74.5278, 84.8463, 85.1397)  
contains.

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# Color

**XYZ(74.5347, 84.8463,  
85.1216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8F4E3
RGB	216, 244, 227
RGB Percent	85%, 96%, 89%
CMY	0.1529, 0.0431, 0.1098
CMYK	0.11, 0.00, 0.07, 0.04
HSL	144°, 56%, 90%
HSV	144°, 11%, 96%
XYZ	74.5347, 84.8463, 85.1216
YIQ	233.6900, -11.2310, -11.2230

# Conversions

## Conversions Part 2

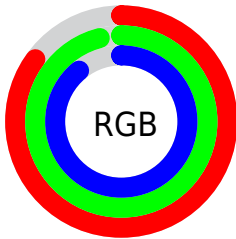
Format	Color
R <sub>Y</sub> B	216, 236, 244
Decimal	14218467
CIE Lab	93.82, -12.27, 5.10
CIE LCh	94, 13.285, 157.439
Yxy	84.8463, 0.3048, 0.3470
Android (android.graphics.Color)	4292408547 (0xFFD8F4E3)
YUV	233.6900, -3.2982, -15.5141
Hunter-Lab	92.1121, -16.7585, 9.6880

# Details

The XYZ color **74.5347, 84.8463, 85.1216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5751, 74.2302, 87.3867**, and the grayscale version is **78.0045, 82.0668, 89.3708**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1276, 46.5221, 45.8944** is the 20% darker color. If you saturate the color by 10%, you get **65.8968, 80.6219, 74.4989**, and if you desaturate by 10%, it is **84.4238, 89.7001, 96.7251**.

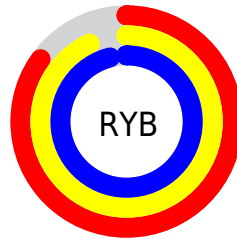
# Distribution



Red (85%)

Green (96%)

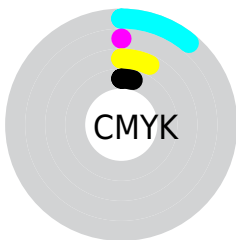
Blue (89%)



Red (85%)

Yellow (93%)

Blue (96%)

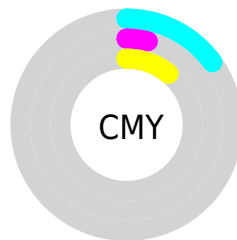


Cyan (11%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (15%)

Magenta (4%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5347, 84.8463, 85.1216 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 74.5347, 84.8463, 85.1216 by changing the saturation by 10% instead.




 74.5347, 84.8463,  
85.1216

 74.5347, 84.8463,  
85.1216


465.3386,  
511.1193, 532.1854

 55.5246, 63.7144,  
63.3911

124.6449,  
140.1584, 142.4187

 40.0574, 46.4194,  
45.7147


156.4758,  
175.1074, 178.8225

 27.7677, 32.5769,  
31.6737


193.3109,  
215.4309, 220.9544

 18.2902, 21.8025,  
20.8496

235.5157,  
261.5132, 269.2330

 11.2595, 13.7119,  
12.8240

283.4555,  
313.7389, 324.0769

 6.3102, 7.9205,  
7.1781

337.4957,

 3.0771, 4.0441,

372.4922, 385.9046

3.4936

398.0016,  
438.1575, 455.1346

■ 1.1946, 1.6983,  
1.3519

■ 0.1021, 0.4225,  
0.1037

■ 74.5347, 84.8463,  
85.1216

■ 74.5347, 84.8463,  
85.1216

■ 65.8968, 80.6219,  
74.4989

■ 84.4238, 89.7001,  
96.7251

■ 58.4516, 76.9901,  
64.8258

■ 91.6423, 93.1845,  
107.7641

■ 52.1463, 73.9267,  
56.0778

■ 46.9214, 71.4016,  
48.2271

■ 42.7117, 69.3815,  
41.2444

■ 39.4444, 67.8298,  
35.0989

■ 37.0366, 66.7043,  
29.7578

■ 35.3894, 65.9546,  
25.1857

■ 34.4566, 65.5463,  
21.8652

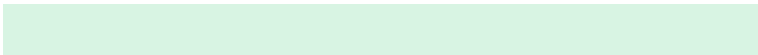
# Harmonies

## Analogous

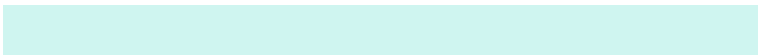
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5862, 84.8463, 77.7875



74.5347, 84.8463, 85.1216



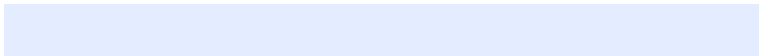
74.0968, 84.8463, 94.9238

# Triad

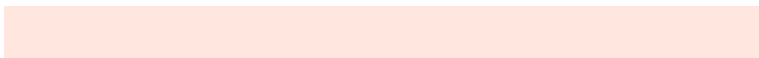
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5347, 84.8463, 85.1216



81.5262, 84.8463, 113.0378



86.1561, 84.8463, 81.0588

# Complementary

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



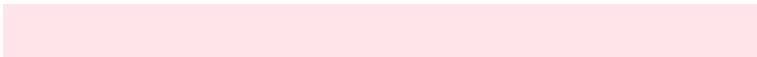
74.5347, 84.8463, 85.1216



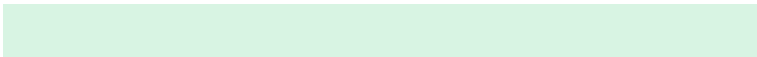
76.5751, 74.2302, 87.3867

# 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.



87.5657, 84.8463, 89.8883



74.5347, 84.8463, 85.1216



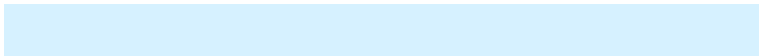
84.8424, 84.8463, 108.6992

# Square

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



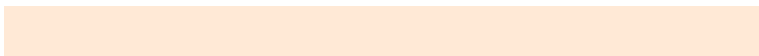
74.5347, 84.8463, 85.1216



78.0668, 84.8463, 111.5294



87.0780, 84.8463, 100.0465



83.2770, 84.8463, 75.5640



# Rectangle

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



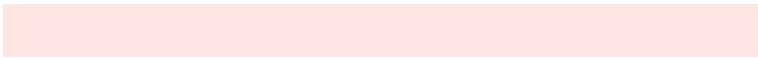
74.5347, 84.8463, 85.1216



74.7667, 84.8463, 101.6367



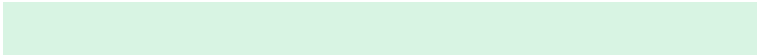
87.0780, 84.8463, 100.0465



86.8212, 84.8463, 83.7091

# Sweetspot

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



74.5371, 84.8499, 85.1235



91.5524, 98.2823, 104.8796



78.4399, 87.0317, 77.6315



19.4006, 20.9405, 22.2222



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

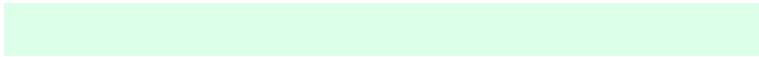


# Same Dimension

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



74.5371, 84.8499, 85.1235



79.8180, 92.5283, 90.9860



76.5098, 85.6390, 95.5117



16.5518, 18.5798, 18.9239



18.7971, 35.6637, 12.2175



1.7011, 3.1541, 1.3318



# Inverse Universe

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



76.5751, 74.2302, 87.3867



82.5236, 78.4292, 93.9898



74.6880, 73.4753, 77.4492



16.9218, 16.6516, 19.3349



23.2684, 11.6508, 16.6537

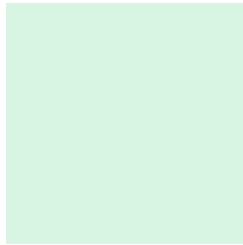


2.0955, 1.0442, 1.7292



# Previews

## White Background



This preview shows how the XYZ color 74.5347, 84.8463, 85.1216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

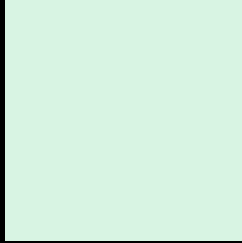
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.5347, 84.8463, 85.1216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

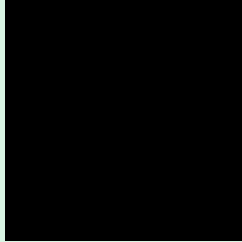
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

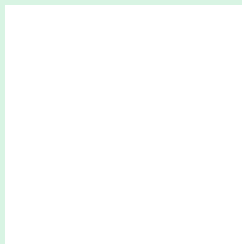
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.5347, 84.8463, 85.1216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5347, 84.8463, 85.1216.



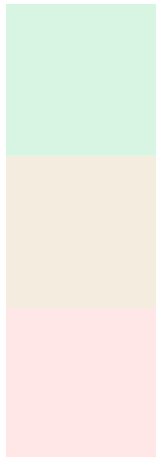
This preview shows how white text looks on a background with the XYZ color 74.5347, 84.8463,

85.1216.

# 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

74.5347, 84.8463, 85.1216

### Protanopia

80.6230, 84.5517, 81.8829

### Deuteranopia

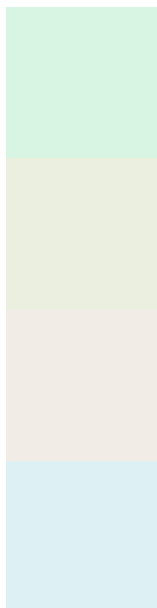
84.3814, 84.2380, 88.1561



## **Tritanopia**

79.6570, 84.8003, 106.7775

# Trichromacy



## Original Color

74.5347, 84.8463, 85.1216

## Protanomaly

78.2527, 84.6072, 82.7275

## Deuteranomaly

80.5540, 84.4048, 86.9090

## Tritanomaly

77.7555, 84.8753, 98.6706

# Monochromacy



## Original Color

74.5347, 84.8463, 85.1216

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

76.6769, 83.2495, 87.6288

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5347, 84.8463, 85.1216 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(216, 244, 227) looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 227)  
}
```

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(216, 244, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5347, 84.8463, 85.1216 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(216, 244, 227) }
```



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

```
.border{ border-color:rgb(216, 244, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 244, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 227);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5347, 84.8463, 85.1216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 227) }
```

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

```
.background{ background-color: rgb(216,  
244, 227) }
```

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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