

Converting Colors

XYZ(75.0576, 84.2940, 87.2865)

Have a look what the booklet for
XYZ(75.0576, 84.2940, 87.2865)
contains.

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Color

**XYZ(74.9485, 84.1229,
87.1500)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF2E6
RGB	218, 242, 230
RGB Percent	85%, 95%, 90%
CMY	0.1451, 0.0510, 0.0980
CMYK	0.10, 0.00, 0.05, 0.05
HSL	150°, 48%, 90%
HSV	150°, 10%, 95%
XYZ	74.9485, 84.1229, 87.1500
YIQ	233.4560, -10.4520, -8.8200

Conversions

Conversions Part 2

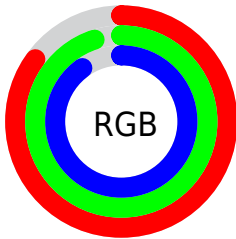
Format	Color
R _{YB}	218, 234, 242
Decimal	14349030
CIE Lab	93.50, -10.07, 3.11
CIE LCh	94, 10.535, 162.858
Yxy	84.1229, 0.3044, 0.3417
Android (android.graphics.Color)	4292539110 (0xFFDAF2E6)
YUV	233.4560, -1.7038, -13.5549
Hunter-Lab	91.7185, -14.6448, 7.8662

Details

The XYZ color **74.9485, 84.1229, 87.1500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.9754, 74.7354, 85.2880**, and the grayscale version is **77.8158, 81.8683, 89.1546**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4010, 45.9995, 47.3069** is the 20% darker color. If you saturate the color by 10%, you get **66.5926, 80.0072, 78.1939**, and if you desaturate by 10%, it is **84.4838, 88.8376, 96.7808**.

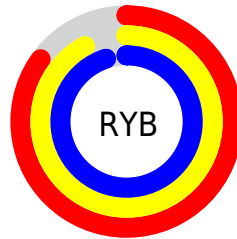
Distribution



Red (85%)

Green (95%)

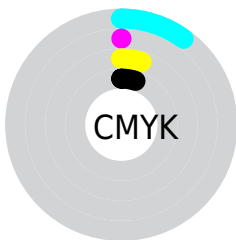
Blue (90%)



Red (85%)

Yellow (92%)

Blue (95%)

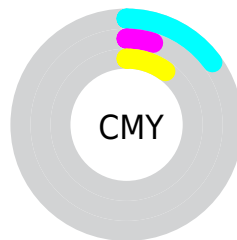


Cyan (10%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9485, 84.1229, 87.1500 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 74.9485, 84.1229, 87.1500 by changing the saturation by 10% instead.

74.9485, 84.1229,
87.1500

74.9485, 84.1229,
87.1500

466.7404,
508.7213, 539.0446

55.8647, 63.1169,
65.0590

125.2278,
139.1471, 145.2739

40.3310, 45.9358,
47.0573

157.1540,
173.9341, 182.1439

27.9821, 32.1952,
32.7263

194.0917,
214.0835, 224.7773

18.4526, 21.5106,
21.6474

236.4063,
259.9798, 273.5927

11.3770, 13.4977,
13.4022

284.4631,
312.0073, 329.0086

6.3902, 7.7722,
7.5721

338.6275,

3.1267, 3.9495,

370.5505, 391.4435

3.7386

399.2648,
435.9937, 461.3160

■ 1.2211, 1.6454,
1.4831

■ 0.1229, 0.3879,
0.2053

■ 74.9485, 84.1229,
87.1500

■ 74.9485, 84.1229,
87.1500

■ 66.5926, 80.0072,
78.1939

■ 84.4838, 88.8376,
96.7808

■ 59.3611, 76.4555,
69.8923

■ 90.9162, 91.9365,
106.8927

■ 53.2048, 73.4450,
62.2318

■ 91.0438, 91.9875,
107.5646

■ 48.0684, 70.9475,
55.1965

■ 43.8910, 68.9319,
48.7701

■ 40.6052, 67.3637,
42.9350

■ 38.1340, 66.2037,
37.6728

■ 36.3864, 65.4052,
32.9639

■ 35.2125, 64.8913,
28.7850

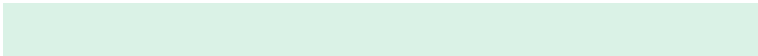
Harmonies

Analogous

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



76.3696, 84.1229, 80.8090



74.9485, 84.1229, 87.1500



74.8493, 84.1229, 95.0502

Triad

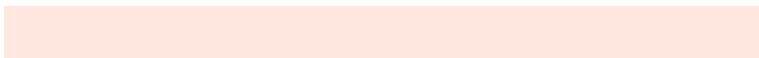
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9485, 84.1229, 87.1500



81.1536, 84.1229, 107.3725



83.9456, 84.1229, 81.5569

Complementary

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



74.9485, 84.1229, 87.1500



75.9754, 74.7354, 85.2880

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.



85.2904, 84.1229, 88.2256



74.9485, 84.1229, 87.1500



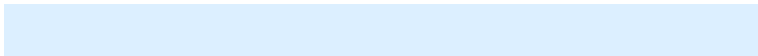
83.6535, 84.1229, 103.3017

Square

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



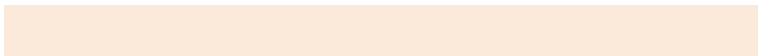
74.9485, 84.1229, 87.1500



78.3886, 84.1229, 107.0430



85.1823, 84.1229, 96.1897



81.5448, 84.1229, 77.7107

Rectangle

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



74.9485, 84.1229, 87.1500



75.5426, 84.1229, 100.1692



85.1823, 84.1229, 96.1897



84.5386, 84.1229, 83.5256

Sweetspot

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



74.9509, 84.1265, 87.1519



91.6814, 98.3339, 105.5592



77.1717, 85.4594, 78.7587



19.4354, 20.9544, 22.4054



0.0000, 0.0000, 0.0000



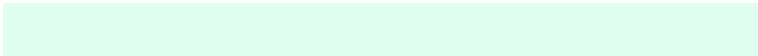
20.3446, 21.4041, 23.3091

Same Dimension

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



74.9509, 84.1265, 87.1519



82.3079, 93.7046, 95.9515



76.6355, 84.8003, 96.0230



15.8955, 17.7882, 18.4725



18.9799, 34.8840, 15.8091



1.6292, 2.9221, 1.5796

Inverse Universe

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



75.9754, 74.7354, 85.2880



83.6873, 81.0602, 93.4418



74.3992, 74.1049, 76.9880



16.1025, 15.8907, 18.0959



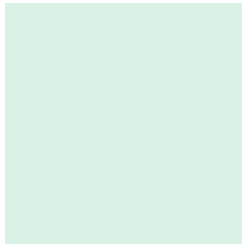
21.5951, 10.9105, 11.0505



1.8467, 0.9277, 1.1838

Previews

White Background



This preview shows how the XYZ color 74.9485, 84.1229, 87.1500 looks on a white background.

Color Contrast Check

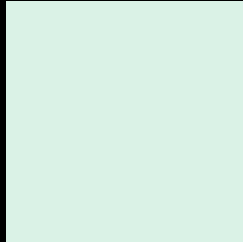
Large Text (above 18pt) WCAG AA × Fail

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 74.9485, 84.1229, 87.1500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

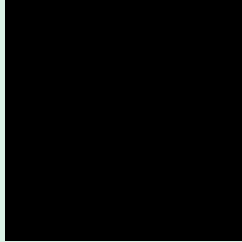
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

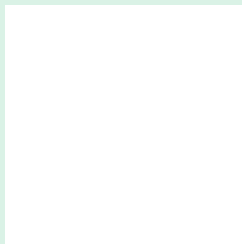
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9485, 84.1229, 87.1500

Background



This preview shows how black text looks on a background with the XYZ color 74.9485, 84.1229, 87.1500.



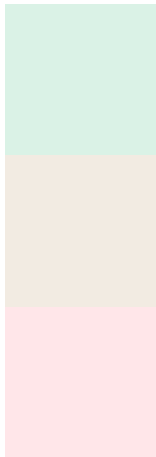
This preview shows how white text looks on a background with the XYZ color 74.9485, 84.1229,

87.1500.

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

74.9485, 84.1229, 87.1500

Protanopia

80.0537, 83.7849, 83.9043

Deuteranopia

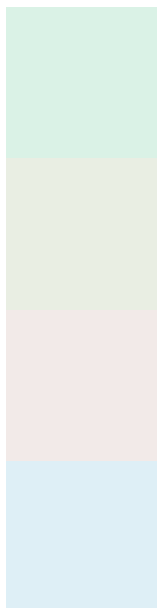
84.2448, 83.7368, 88.8134



Tritanopia

79.3650, 84.2164, 106.6801

Trichromacy



Original Color

74.9485, 84.1229, 87.1500

Protanomaly

78.0439, 84.0188, 84.7769

Deuteranomaly

80.6063, 83.5491, 88.2221

Tritanomaly

77.6253, 83.9164, 99.2950

Monochromacy



Original Color

74.9485, 84.1229, 87.1500

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.5558, 82.3111, 88.1966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9485, 84.1229, 87.1500 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, 242, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 230)  
}
```

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, 242, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 230) }
```

Border

The CSS property to change the border of an element to XYZ 74.9485, 84.1229, 87.1500 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, 242, 230) }
```


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

```
.border{ border-color:rgb(218, 242, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9485, 84.1229, 87.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 230) }
```

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

```
.background{ background-color: rgb(218,  
242, 230) }
```

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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