

Converting Colors

XYZ(74.9328, 85.0700, 89.1562)

Have a look what the booklet for
XYZ(74.9328, 85.0700, 89.1562)
contains.

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Color

**XYZ(74.9405, 84.9746,
88.7959)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F4E8
RGB	215, 244, 232
RGB Percent	84%, 96%, 91%
CMY	0.1569, 0.0431, 0.0902
CMYK	0.12, 0.00, 0.05, 0.04
HSL	155°, 57%, 90%
HSV	155°, 12%, 96%
XYZ	74.9405, 84.9746, 88.7959
YIQ	233.9610, -13.4320, -9.8800

Conversions

Conversions Part 2

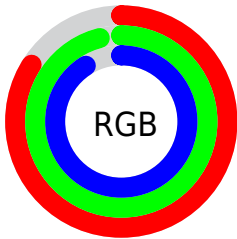
Format	Color
R _Y B	215, 233, 244
Decimal	14152936
CIE Lab	93.87, -11.67, 2.58
CIE LCh	94, 11.953, 167.542
Yxy	84.9746, 0.3013, 0.3417
Android (android.graphics.Color)	4292343016 (0xFFD7F4E8)
YUV	233.9610, -0.9668, -16.6288
Hunter-Lab	92.1817, -16.2036, 7.4148

Details

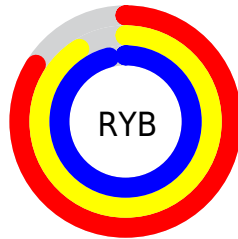
The XYZ color **74.9405, 84.9746, 88.7959** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4768, 73.3822, 82.8630**, and the grayscale version is **78.1936, 82.2657, 89.5874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3169, 46.5746, 47.9392** is the 20% darker color. If you saturate the color by 10%, you get **66.9098, 80.9980, 81.1470**, and if you desaturate by 10%, it is **84.1270, 89.5422, 96.9328**.

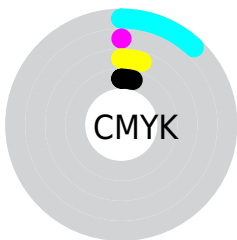
Distribution



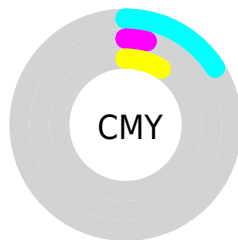
- Red (84%)
- Green (96%)
- Blue (91%)



- Red (84%)
- Yellow (91%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9405, 84.9746, 88.7959 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 74.9405, 84.9746, 88.7959 by changing the saturation by 10% instead.

74.9405, 84.9746,
88.7959

74.9405, 84.9746,
88.7959

466.7134,
511.5440, 544.5748

55.8582, 63.8204,
66.4143

125.2165,
140.3377, 147.5856

40.3258, 46.5052,
48.1502

157.1408,
175.3154, 184.8308

27.9780, 32.6447,
33.5850

194.0766,
215.6696, 227.8676

18.4494, 21.8544,
22.3002

236.3890,
261.7849, 277.1145

11.3748, 13.7499,
13.8772

284.4436,
314.0456, 332.9902

6.3886, 7.9470,
7.8976

338.6056,

3.1257, 4.0610,

372.8361, 395.9131

3.9426

399.2404,
438.5408, 466.3018

■ 1.2206, 1.7078,
1.5939

■ 0.1225, 0.4287,
0.2865

■ 74.9405, 84.9746,
88.7959

■ 74.9405, 84.9746,
88.7959

■ 66.9098, 80.9980,
81.1470

■ 84.1270, 89.5422,
96.9328

■ 59.9793, 77.5769,
73.9709

■ 91.1945, 93.0054,
105.4061

■ 54.0993, 74.6880,
67.2598

■ 91.6423, 93.1845,
107.7641

■ 49.2132, 72.3026,
61.0036

■ 45.2592, 70.3888,
55.1915

■ 42.1680, 68.9111,
49.8123

■ 39.8601, 67.8286,
44.8541

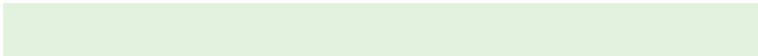
■ 38.2399, 67.0925,
40.3039

■ 37.3117, 66.6883,
36.9002

Harmonies

Analogous

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



76.3377, 84.9746, 81.1967



74.9405, 84.9746, 88.7959



75.0741, 84.9746, 97.9025

Triad

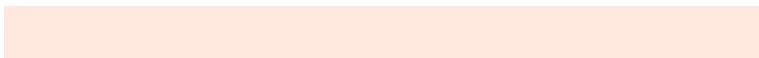
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9405, 84.9746, 88.7959



82.6230, 84.9746, 110.2469



84.9647, 84.9746, 80.1940

Complementary

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



74.9405, 84.9746, 88.7959



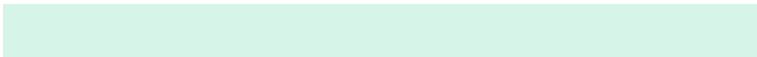
75.4768, 73.3822, 82.8630

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.



86.7381, 84.9746, 87.3440



74.9405, 84.9746, 88.7959



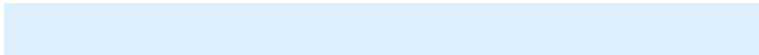
85.3620, 84.9746, 104.8562

Square

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



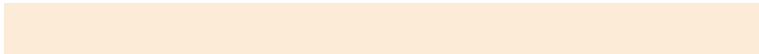
74.9405, 84.9746, 88.7959



79.4537, 84.9746, 110.6994



86.8854, 84.9746, 96.3527



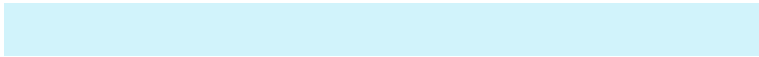
82.0922, 84.9746, 76.4536

Rectangle

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



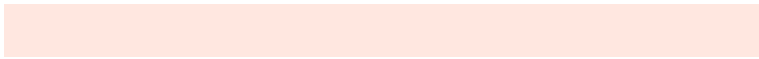
74.9405, 84.9746, 88.7959



76.0134, 84.9746, 103.6102



86.8854, 84.9746, 96.3527



85.7123, 84.9746, 82.2562

Sweetspot

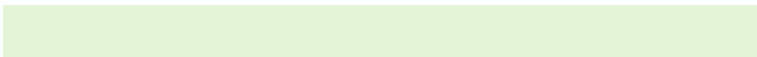
The Sweet Spot groups the original color and five complimentary colors.



74.9429, 84.9782, 88.7978



90.7241, 97.8476, 105.1887



76.3241, 85.9559, 76.8597



19.2496, 20.8593, 22.3674



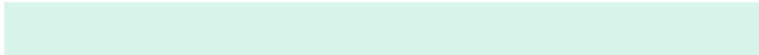
0.0000, 0.0000, 0.0000



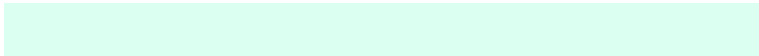
20.3446, 21.4041, 23.3091

Same Dimension

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



74.9429, 84.9782, 88.7978



80.8254, 92.9313, 96.2910



75.9845, 84.2388, 97.8470



16.6897, 18.6350, 19.6501



20.3567, 36.2875, 20.4301



1.8402, 3.2097, 2.0646

Inverse Universe

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



75.4768, 73.3822, 82.8630



81.5119, 78.0245, 88.6625



74.4970, 73.9823, 74.6449



16.7835, 16.5963, 18.6066



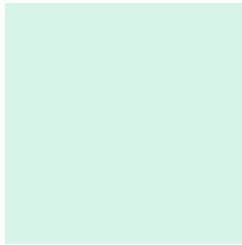
21.6272, 10.9943, 8.0110



1.9507, 0.9862, 0.9667

Previews

White Background



This preview shows how the XYZ color 74.9405, 84.9746, 88.7959 looks on a white background.

Color Contrast Check

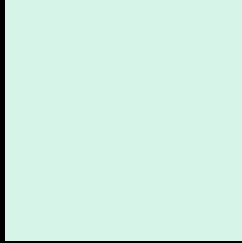
Large Text (above 18pt) WCAG AA × Fail

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 74.9405, 84.9746, 88.7959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

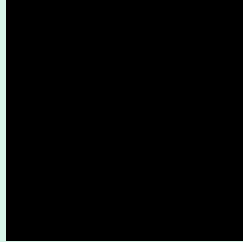
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

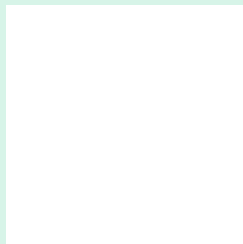
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.9405, 84.9746, 88.7959

Background



This preview shows how black text looks on a background with the XYZ color 74.9405, 84.9746, 88.7959.



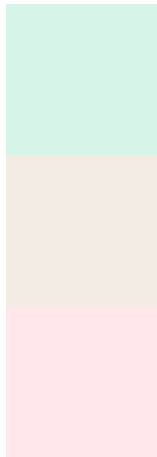
This preview shows how white text looks on a background with the XYZ color 74.9405, 84.9746,

88.7959.

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

74.9405, 84.9746, 88.7959

Protanopia

80.9612, 84.6470, 85.4702

Deuteranopia

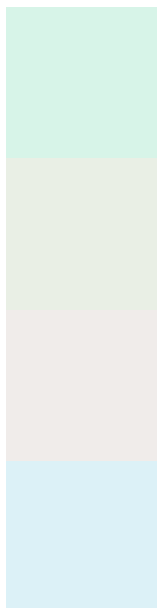
84.8113, 84.4100, 90.4200



Tritanopia

79.3479, 84.6410, 106.7630

Trichromacy



Original Color

74.9405, 84.9746, 88.7959

Protanomaly

78.6136, 84.7138, 86.3368

Deuteranomaly

80.7819, 84.4567, 89.8860

Tritanomaly

77.7590, 84.8416, 100.2734

Monochromacy



Original Color

74.9405, 84.9746, 88.7959

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

76.9611, 83.3632, 89.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9405, 84.9746, 88.7959 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(215, 244, 232) looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 232)  
}
```

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(215, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 232) }
```

Border

The CSS property to change the border of an element to XYZ 74.9405, 84.9746, 88.7959 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(215, 244, 232) }
```


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

```
.border{ border-color:rgb(215, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9405, 84.9746, 88.7959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 232) }
```

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

```
.background{ background-color: rgb(215,  
244, 232) }
```

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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