

# Converting Colors

XYZ(75.3143, 84.5886, 74.6451)

Have a look what the booklet for  
XYZ(75.3143, 84.5886, 74.6451)  
contains.

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# Color

**XYZ(75.3143, 84.5886,  
74.6451)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3F2D4
RGB	227, 242, 212
RGB Percent	89%, 95%, 83%
CMY	0.1098, 0.0510, 0.1686
CMYK	0.06, 0.00, 0.12, 0.05
HSL	90°, 54%, 89%
HSV	90°, 12%, 95%
XYZ	75.3143, 84.5886, 74.6451
YIQ	234.0950, 0.6900, -12.5100

# Conversions

## Conversions Part 2

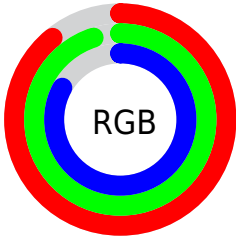
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 242, 227
Decimal	14938836
CIE <sub>Lab</sub>	93.71, -10.19, 12.80
CIE <sub>LCh</sub>	94, 16.356, 128.520
Yxy	84.5886, 0.3211, 0.3606
Android (android.graphics.Color)	4293128916 (0xFFE3F2D4)
YUV	234.0950, -10.8928, -6.2223
Hunter-Lab	91.9721, -14.7806, 16.2603

# Details

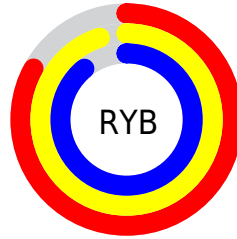
The XYZ color **75.3143, 84.5886, 74.6451** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.2524, 69.8310, 93.7322**, and the grayscale version is **78.3601, 82.4410, 89.7782**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6580, 46.3228, 38.6966** is the 20% darker color. If you saturate the color by 10%, you get **68.8040, 81.5616, 59.5813**, and if you desaturate by 10%, it is **82.5552, 87.9443, 92.1350**.

# Distribution



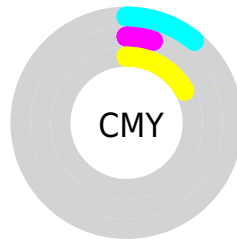
- Red (89%)
- Green (95%)
- Blue (83%)



- Red (83%)
- Yellow (95%)
- Blue (89%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3143, 84.5886, 74.6451 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 75.3143, 84.5886, 74.6451 by changing the saturation by 10% instead.




 75.3143, 84.5886,  
74.6451

 75.3143, 84.5886,  
74.6451


467.9777,  
510.2658, 495.9197

 56.1655, 63.5015,  
54.8222


125.7427,  
139.7982, 127.5523

 40.5731, 46.2470,  
38.8618


157.7530,  
174.6896, 161.4738

 28.1719, 32.4408,  
26.3452


194.7812,  
214.9511, 200.9318

 18.5964, 21.6984,  
16.8540

237.1926,  
260.9673, 246.3449

 11.4813, 13.6355,  
9.9696

285.3526,  
313.1224, 298.1318

 6.4612, 7.8676,  
5.2735

339.6266,

 3.1708, 4.0103,

371.8010, 356.7108

2.3471

400.3798,  
437.3873, 422.5006

■ 1.2447, 1.6793,  
0.7574

■ 0.1412, 0.4102,  
0.0000

■ 75.3143, 84.5886,  
74.6451

■ 75.3143, 84.5886,  
74.6451

■ 68.8040, 81.5616,  
59.5813

■ 82.5552, 87.9443,  
92.1350

■ 62.9917, 78.8415,  
46.8311

■ 89.6618, 91.2752,  
107.4999

■ 57.8521, 76.4201,  
36.2811

■ 91.0438, 91.9876,  
107.5646

■ 53.3558, 74.2851,  
27.8063

■ 49.4706, 72.4228,  
21.2689

■ 46.1609, 70.8184,  
16.5149

■ 43.3865, 69.4550,  
13.3665

■ 41.1000, 68.3128,  
11.6089

■ 39.6362, 67.5712,  
10.9535

# Harmonies

## Analogous

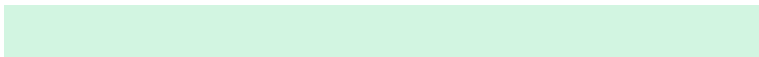
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1693, 84.5886, 70.4364



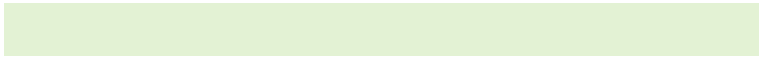
75.3143, 84.5886, 74.6451



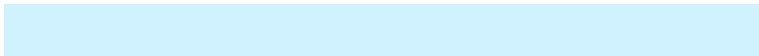
72.8828, 84.5886, 83.6276

# Triad

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



75.3143, 84.5886, 74.6451



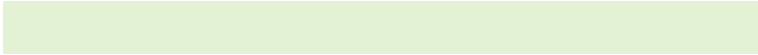
77.3825, 84.5886, 116.1732



88.9351, 84.5886, 88.6080

# Complementary

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



75.3143, 84.5886, 74.6451



71.2524, 69.8310, 93.7322

# Split Complementary

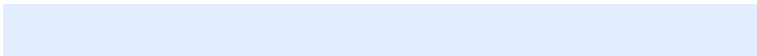
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4148, 84.5886, 101.1317



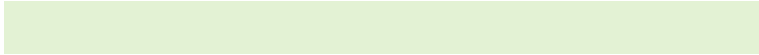
75.3143, 84.5886, 74.6451



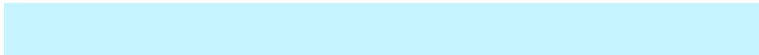
81.6413, 84.5886, 117.8103

# Square

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



75.3143, 84.5886, 74.6451



74.0467, 84.5886, 107.7986



85.7074, 84.5886, 112.0896

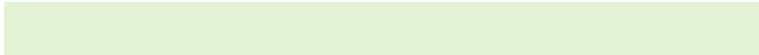


87.1045, 84.5886, 78.0093

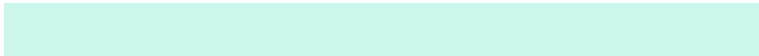


# Rectangle

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



75.3143, 84.5886, 74.6451



72.3440, 84.5886, 91.4868



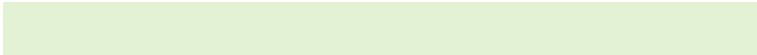
85.7074, 84.5886, 112.0896



89.0306, 84.5886, 92.7212

# Sweetspot

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



75.3166, 84.5923, 74.6469



91.5991, 98.4057, 100.3926



75.9739, 78.5721, 73.4503



19.4703, 21.0001, 21.1566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

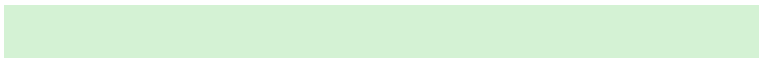
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3166, 84.5923, 74.6469



82.8013, 94.3276, 79.3182



70.7896, 82.2585, 74.4351



16.3188, 18.0445, 16.7726



21.4495, 36.3792, 5.8914



1.8991, 3.0856, 0.4955



# Inverse Universe

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



71.2524, 69.8310, 93.7322



77.3502, 74.5290, 104.9165



76.1917, 72.3773, 93.9634



15.6505, 15.6170, 19.9111



13.0052, 5.7098, 45.5445

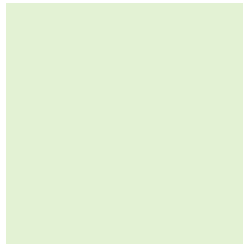


1.1967, 0.5342, 3.7942



# Previews

## White Background



This preview shows how the XYZ color 75.3143, 84.5886, 74.6451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

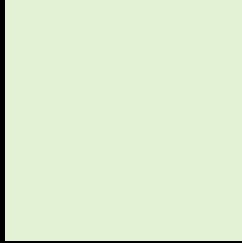
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3143, 84.5886, 74.6451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

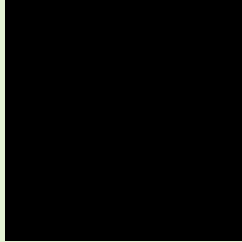
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

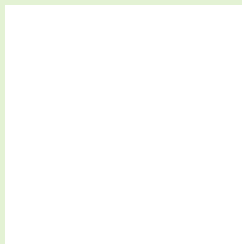
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.3143, 84.5886, 74.6451

## Background



This preview shows how black text looks on a background with the XYZ color 75.3143, 84.5886, 74.6451.



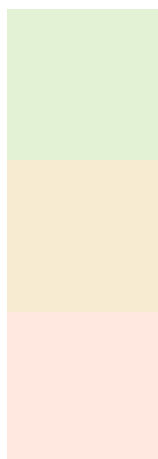
This preview shows how white text looks on a background with the XYZ color 75.3143, 84.5886,

74.6451.

# 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

75.3143, 84.5886, 74.6451

### Protanopia

79.8618, 84.3685, 72.3972

### Deuteranopia

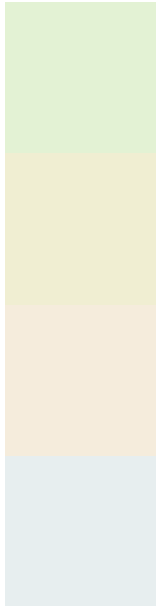
83.5512, 84.3550, 82.3995



## Tritanopia

81.6497, 84.5345, 106.6211

# Trichromacy



## Original Color

75.3143, 84.5886, 74.6451

## Protanomaly

78.1426, 84.3275, 73.1310

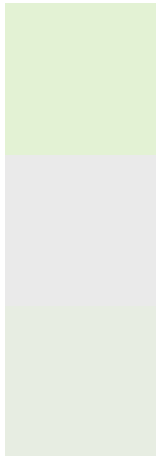
## Deuteranomaly

80.5699, 84.5707, 79.7874

## Tritanomaly

79.1095, 84.3700, 93.7769

# Monochromacy



## Original Color

75.3143, 84.5886, 74.6451

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

76.9667, 83.0483, 83.9249

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3143, 84.5886, 74.6451 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(227, 242, 212)` looks like.

```
.text, #text, p{  
    color:rgb(227, 242, 212)  
}
```

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(227, 242, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 242, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3143, 84.5886, 74.6451 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(227, 242, 212) }
```



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

```
.border{ border-color:rgb(227, 242, 212) }
```

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

Here you see how a box with a 4 pixel rgb(227, 242, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 242, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 242, 212);  
box-shadow:4px 4px 4px 4px rgb(227, 242,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3143, 84.5886, 74.6451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 242, 212) }
```

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

```
.background{ background-color: rgb(227,  
242, 212) }
```

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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