

# Converting Colors

XYZ(74.9874, 82.9687, 80.7781)

Have a look what the booklet for  
XYZ(74.9874, 82.9687, 80.7781)  
contains.

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# Color

**XYZ(74.9690, 82.9610,  
80.4684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1EFDD
RGB	225, 239, 221
RGB Percent	88%, 94%, 87%
CMY	0.1176, 0.0627, 0.1333
CMYK	0.06, 0.00, 0.08, 0.06
HSL	107°, 36%, 90%
HSV	107°, 8%, 94%
XYZ	74.9690, 82.9610, 80.4684
YIQ	232.7620, -2.5660, -8.5660

# Conversions

## Conversions Part 2

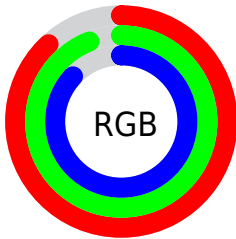
Format	Color
R <sub>Y</sub> B	221, 239, 235
Decimal	14807005
CIE Lab	93.00, -7.84, 7.10
CIE LCh	93, 10.581, 137.826
Yxy	82.9610, 0.3145, 0.3480
Android (android.graphics.Color)	4292997085 (0xFFE1EFDD)
YUV	232.7620, -5.7987, -6.8073
Hunter-Lab	91.0829, -12.4744, 11.3775

# Details

The XYZ color **74.9690, 82.9610, 80.4684** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.7006, 75.6093, 92.2698**, and the grayscale version is **77.3187, 81.3453, 88.5850**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3940, 45.1662, 42.6653** is the 20% darker color. If you saturate the color by 10%, you get **66.5255, 78.9528, 64.6173**, and if you desaturate by 10%, it is **84.5015, 87.4831, 98.7403**.

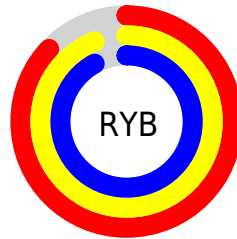
# Distribution



Red (88%)

Green (94%)

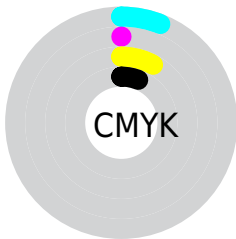
Blue (87%)



Red (87%)

Yellow (94%)

Blue (92%)

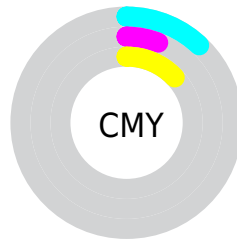


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (6%)



Cyan (12%)

Magenta (6%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9690, 82.9610, 80.4684 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 74.9690, 82.9610, 80.4684 by changing the saturation by 10% instead.



74.9690, 82.9610,  
80.4684

74.9690, 82.9610,  
80.4684

466.8098,  
504.8565, 516.2583

55.8816, 62.1580,  
59.5754

125.2566,  
137.5208, 135.8414

40.3446, 45.1604,  
42.6535

157.1875,  
172.0464, 171.1586

27.9927, 31.5838,  
29.2839

194.1303,  
211.9150, 212.1208

18.4606, 21.0438,  
19.0483

236.4503,  
257.5110, 259.1468

11.3829, 13.1560,  
11.5280

284.5129,  
309.2187, 312.6550

6.3942, 7.5361,  
6.3045

338.6835,

3.1291, 3.7995,

367.4226, 373.0640

2.9594

399.3273,  
432.5071, 440.7922

■ 1.2224, 1.5621,  
1.0739

■ 0.1240, 0.3318,  
0.0000

■ 74.9690, 82.9610,  
80.4684

■ 74.9690, 82.9610,  
80.4684

■ 66.5255, 78.9528,  
64.6173

■ 84.5015, 87.4831,  
98.7403

■ 59.1251, 75.4296,  
51.0802

■ 90.1581, 90.2162,  
107.2694

■ 52.7283, 72.3761,  
39.7505

■ 47.2908, 69.7719,  
30.5110

■ 42.7648, 67.5950,  
23.2337

■ 39.0979, 65.8216,  
17.7767

■ 36.2323, 64.4255,  
13.9787

■ 34.1023, 63.3767,  
11.6503

■ 32.6270, 62.6392,  
10.5403

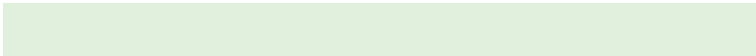
# Harmonies

## Analogous

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



77.2322, 82.9610, 76.5691



74.9690, 82.9610, 80.4684



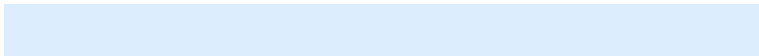
73.7577, 82.9610, 87.1506

# Triad

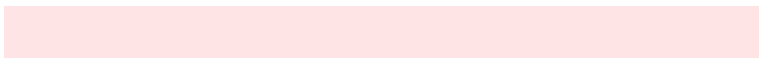
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9690, 82.9610, 80.4684



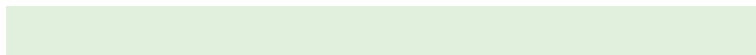
77.7337, 82.9610, 106.0818



84.0335, 82.9610, 85.7395

# Complementary

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



74.9690, 82.9610, 80.4684



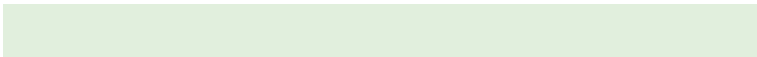
75.7006, 75.6093, 92.2698

# 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.



84.1755, 82.9610, 93.5866



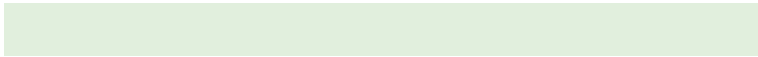
74.9690, 82.9610, 80.4684



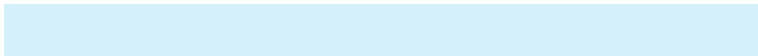
80.4942, 82.9610, 105.6490

# Square

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



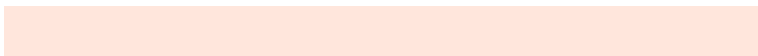
74.9690, 82.9610, 80.4684



75.3287, 82.9610, 102.1170



82.8667, 82.9610, 100.9670



82.4834, 82.9610, 79.4876



# Rectangle

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



74.9690, 82.9610, 80.4684



73.6906, 82.9610, 92.4240



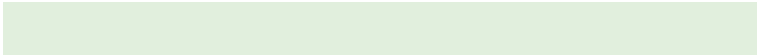
82.8667, 82.9610, 100.9670



84.2488, 82.9610, 88.2687

# Sweetspot

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



74.9713, 82.9646, 80.4702



92.7952, 98.9312, 104.5651



78.3023, 82.8771, 80.2778



19.8856, 21.1866, 22.4266



0.0000, 0.0000, 0.0000

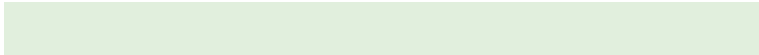


20.3446, 21.4041, 23.3091

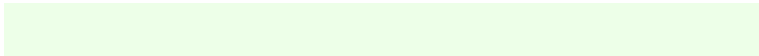


# Same Dimension

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



74.9713, 82.9646, 80.4702



85.3073, 95.3791, 90.2950



74.3879, 82.5888, 83.8303



15.8943, 17.8257, 16.7527



17.9636, 34.5821, 5.7282



1.5772, 2.9196, 0.4804



# Inverse Universe

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



75.7006, 75.6093, 92.2698



86.3097, 85.2672, 106.5169



76.3361, 76.0178, 88.6456



16.0907, 15.8440, 19.9317



19.9049, 9.2668, 45.8674

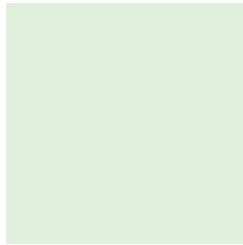


1.7394, 0.8140, 3.8196



# Previews

## White Background



This preview shows how the XYZ color 74.9690, 82.9610, 80.4684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

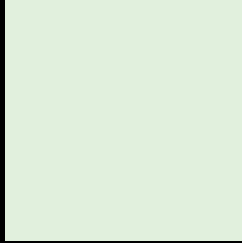
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9690, 82.9610, 80.4684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

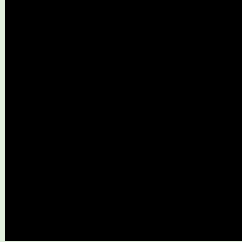
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

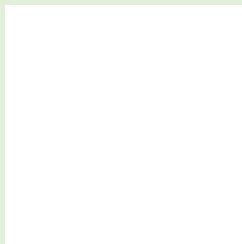
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9690, 82.9610, 80.4684

## Background



This preview shows how black text looks on a background with the XYZ color 74.9690, 82.9610, 80.4684.



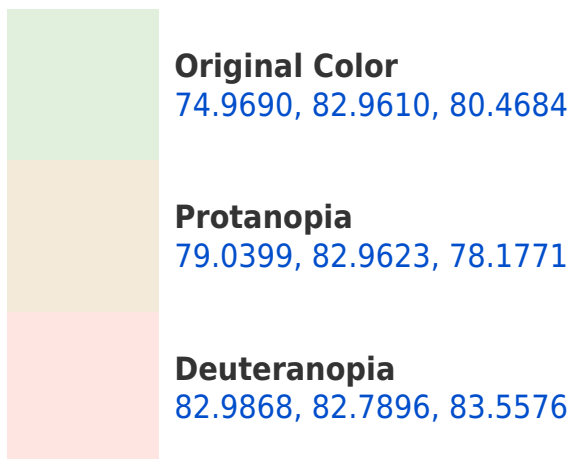
This preview shows how white text looks on a background with the XYZ color 74.9690, 82.9610,

80.4684.

# 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

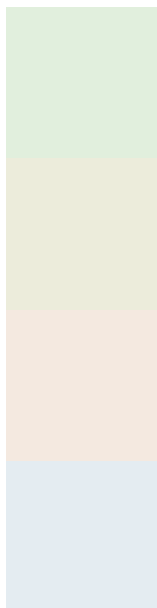




## Tritanopia

79.7856, 82.7605, 104.6977

# Trichromacy



## Original Color

74.9690, 82.9610, 80.4684

## Protanomaly

77.3737, 82.9382, 78.9485

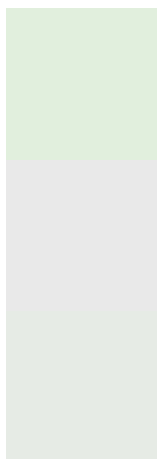
## Deuteranomaly

79.9017, 82.8927, 82.3096

## Tritanomaly

77.8675, 82.8358, 95.1039

# Monochromacy



## Original Color

74.9690, 82.9610, 80.4684

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.4843, 81.8968, 85.9052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9690, 82.9610, 80.4684 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(225, 239, 221)` looks like.

```
.text, #text, p{  
    color:rgb(225, 239, 221)  
}
```

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(225, 239, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 239, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9690, 82.9610, 80.4684 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(225, 239, 221) }
```



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

```
.border{ border-color:rgb(225, 239, 221) }
```

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

Here you see how a box with a 4 pixel rgb(225, 239, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 239, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 239, 221);  
box-shadow:4px 4px 4px 4px rgb(225, 239,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9690, 82.9610, 80.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 239, 221) }
```

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

```
.background{ background-color: rgb(225,  
239, 221) }
```

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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