

# Converting Colors

XYZ(74.7936, 82.8684, 64.8769)

Have a look what the booklet for  
XYZ(74.7936, 82.8684, 64.8769)  
contains.

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# **Color**

**XYZ(74.5843, 82.6727,  
64.8497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAEEC5
RGB	234, 238, 197
RGB Percent	92%, 93%, 77%
CMY	0.0823, 0.0666, 0.2274
CMYK	0.02, 0.00, 0.17, 0.07
HSL	66°, 55%, 85%
HSV	66°, 17%, 93%
XYZ	74.5843, 82.6727, 64.8497
YIQ	232.1300, 10.7770, -13.5990

# Conversions

## Conversions Part 2

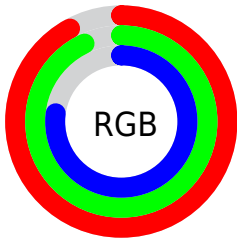
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 238, 201
Decimal	15396549
CIE <sub>Lab</sub>	92.87, -8.09, 19.44
CIE <sub>LCh</sub>	93, 21.052, 112.595
Yxy	82.6727, 0.3358, 0.3722
Android (android.graphics.Color)	4293586629 (0xFFEAEEC5)
YUV	232.1300, -17.3191, 1.6400
Hunter-Lab	90.9245, -12.6965, 21.3600

# Details

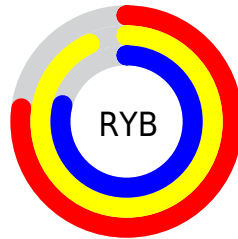
The XYZ color **74.5843, 82.6727, 64.8497** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4894, 58.5252, 89.0545**, and the grayscale version is **76.9209, 80.9268, 88.1293**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **40.0460, 44.9040, 32.5433** is the 20% darker color. If you saturate the color by 10%, you get **71.3123, 81.2791, 51.5672**, and if you desaturate by 10%, it is **78.3013, 84.2510, 80.4039**.

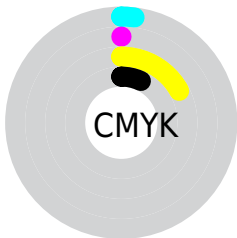
# Distribution



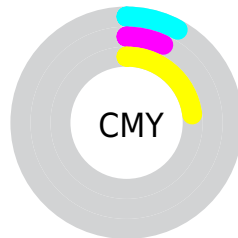
- Red (92%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (79%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5843, 82.6727, 64.8497 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 74.5843, 82.6727, 64.8497 by changing the saturation by 10% instead.



74.5843, 82.6727,  
64.8497

74.5843, 82.6727,  
64.8497

465.5068,  
503.8951, 460.5431

55.5654, 61.9202,  
46.8886

124.7148,  
137.1170, 113.4450

40.0902, 44.9682,  
32.5939

156.5571,  
171.5775, 144.9162

27.7934, 31.4324,  
21.5470

193.4046,  
211.3761, 181.7280

18.3096, 20.9283,  
13.3293

235.6225,  
256.8973, 224.2988

11.2735, 13.0716,  
7.5223

283.5764,  
308.5254, 273.0472

6.3198, 7.4779,  
3.7075

337.6315,

3.0830, 3.7627,

366.6448, 328.3916

1.4663

398.1531,  
431.6399, 390.7508

■ 1.1978, 1.5417,  
0.1926

■ 0.1046, 0.3178,  
0.0000

■ 74.5843, 82.6727,  
64.8497

■ 74.5843, 82.6727,  
64.8497

■ 71.3123, 81.2791,  
51.5672

■ 78.3013, 84.2510,  
80.4039

■ 68.4586, 80.0511,  
40.4451

■ 82.4757, 86.0107,  
98.3236

■ 66.0035, 78.9838,  
31.3703

■ 84.8932, 87.0688,  
106.9393

■ 63.9233, 78.0676,  
24.2178

■ 85.6918, 87.4804,  
106.9767

62.1915, 77.2918,  
18.8485

86.5005, 87.8973,  
107.0146

60.7781, 76.6446,  
15.1051

87.3194, 88.3195,  
107.0529

59.6481, 76.1119,  
12.8024

88.1485, 88.7469,  
107.0917

58.7556, 75.6753,  
11.6995

88.9879, 89.1797,  
107.1310

58.5301, 75.5632,  
11.5003

89.8376, 89.6177,  
107.1707

# Harmonies

## Analogous

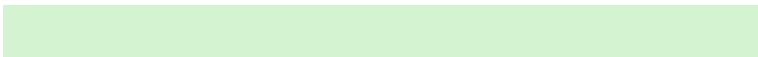
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.9487, 82.6727, 63.1986



74.5843, 82.6727, 64.8497



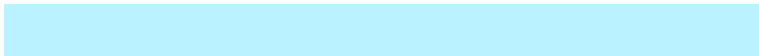
70.4731, 82.6727, 72.8438

# Triad

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



74.5843, 82.6727, 64.8497



72.3275, 82.6727, 116.2825



89.5385, 82.6727, 93.9765

# Complementary

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



74.5843, 82.6727, 64.8497



59.4894, 58.5252, 89.0545

# Split Complementary

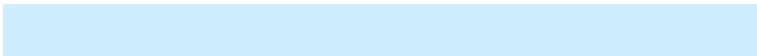
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2815, 82.6727, 109.6959



74.5843, 82.6727, 64.8497



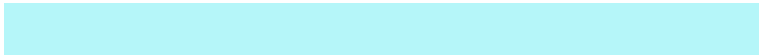
77.2229, 82.6727, 123.5152

# Square

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



74.5843, 82.6727, 64.8497



69.2131, 82.6727, 102.1620



82.7116, 82.6727, 120.9740



88.7515, 82.6727, 78.8739

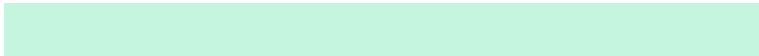


# Rectangle

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



74.5843, 82.6727, 64.8497



68.9126, 82.6727, 81.2576



82.7116, 82.6727, 120.9740



89.1072, 82.6727, 99.3833

# Sweetspot

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



74.5865, 82.6763, 64.8515



92.6079, 98.9704, 98.4236



66.0915, 63.7123, 61.6388



19.7508, 21.1537, 20.7637



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

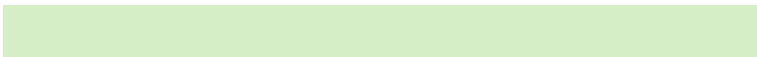
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5865, 82.6763, 64.8515



85.6975, 96.0397, 69.5571



68.4114, 79.4930, 64.5625



16.9619, 18.3760, 16.8027



32.7139, 42.1862, 6.4185



2.7652, 3.5320, 0.5360



# Inverse Universe

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



59.4894, 58.5252, 89.0545



64.6846, 62.4228, 103.2473



65.1949, 61.4665, 89.3215



15.0405, 15.3026, 19.8826



8.8580, 3.5719, 45.3504

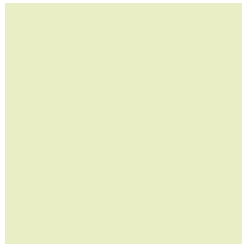


0.7848, 0.3219, 3.7750



# Previews

## White Background



This preview shows how the XYZ color 74.5843, 82.6727, 64.8497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

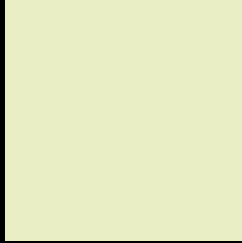
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.5843, 82.6727, 64.8497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

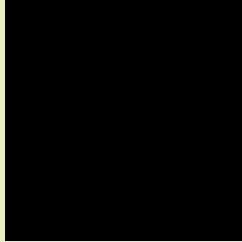
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

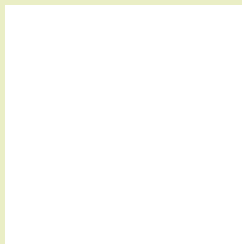
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.5843, 82.6727, 64.8497**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5843, 82.6727, 64.8497.



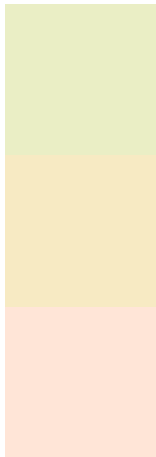
This preview shows how white text looks on a background with the XYZ color 74.5843, 82.6727,



# 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

74.5843, 82.6727, 64.8497

### Protanopia

77.6309, 82.5599, 63.4738

### Deuteranopia

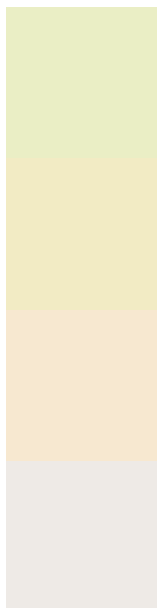
81.5251, 82.2049, 75.8603



## Tritanopia

81.9504, 82.6922, 101.2645

# Trichromacy



## Original Color

74.5843, 82.6727, 64.8497

## Protanomaly

76.2901, 82.2794, 64.0852

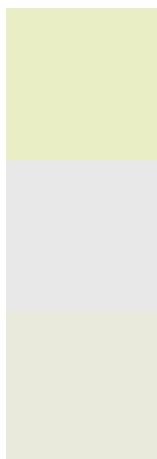
## Deuteranomaly

78.5996, 82.0414, 71.3675

## Tritanomaly

78.9656, 82.7360, 86.6706

# Monochromacy



## Original Color

74.5843, 82.6727, 64.8497

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.8133, 81.2837, 78.7114

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5843, 82.6727, 64.8497 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(234, 238, 197)` looks like.

```
.text, #text, p{  
    color:rgb(234, 238, 197)  
}
```

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(234, 238, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 238, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5843, 82.6727, 64.8497 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(234, 238, 197) }
```



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

```
.border{ border-color:rgb(234, 238, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 238, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 238, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 238, 197); box-shadow:4px 4px 4px 4px rgb(234, 238, 197) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5843, 82.6727, 64.8497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 238, 197) }
```

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

```
.background{ background-color: rgb(234,  
238, 197) }
```

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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