

# Converting Colors

XYZ(76.7282, 85.2236, 63.2780)

Have a look what the booklet for  
XYZ(76.7282, 85.2236, 63.2780)  
contains.

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# Color

**XYZ(76.7895, 85.1564,  
63.4285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFF1C2
RGB	239, 241, 194
RGB Percent	94%, 95%, 76%
CMY	0.0627, 0.0549, 0.2392
CMYK	0.01, 0.00, 0.20, 0.05
HSL	63°, 63%, 85%
HSV	63°, 20%, 95%
XYZ	76.7895, 85.1564, 63.4285
YIQ	235.0440, 13.8950, -15.0410

# Conversions

## Conversions Part 2

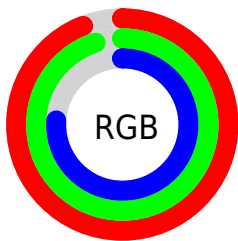
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 241, 196
Decimal	15724994
CIELab	93.95, -8.24, 22.54
CIELCh	94, 23.995, 110.086
Yxy	85.1564, 0.3407, 0.3778
Android (android.graphics.Color)	4293915074 (0xFFEFF1C2)
YUV	235.0440, -20.2347, 3.4694
Hunter-Lab	92.2802, -12.9545, 23.8434

# Details

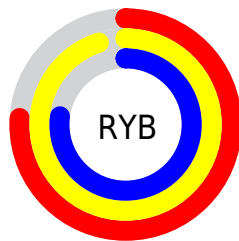
The XYZ color **76.7895, 85.1564, 63.4285** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.9372, 56.6725, 91.1091**, and the grayscale version is **79.1429, 83.2645, 90.6750**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **41.6110, 46.6587, 31.6238** is the 20% darker color. If you saturate the color by 10%, you get **73.9541, 83.9851, 50.2943**, and if you desaturate by 10%, it is **80.0704, 86.5119, 78.8784**.

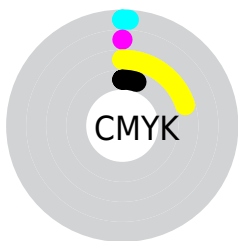
# Distribution



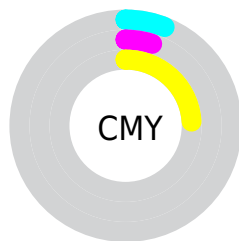
- Red (94%)
- Green (95%)
- Blue (76%)



- Red (76%)
- Yellow (95%)
- Blue (77%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7895, 85.1564, 63.4285 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 76.7895, 85.1564, 63.4285 by changing the saturation by 10% instead.



■ 76.7895, 85.1564,  
63.4285

■ 76.7895, 85.1564,  
63.4285

472.9490,  
512.1454, 455.2736

■ 57.3794, 63.9706,  
45.7447

127.8167,  
140.5917, 111.3790

■ 41.5513, 46.6269,  
31.6972

160.1646,  
175.6099, 142.4828

■ 28.9397, 32.7408,  
20.8674

197.5558,  
216.0078, 178.8971

■ 19.1792, 21.9279,  
12.8368

240.3557,  
262.1698, 221.0403

■ 11.9046, 13.8040,  
7.1869

288.9296,  
314.4801, 269.3310

■ 6.7505, 7.9844,  
3.4990


343.6428,


■ 3.3515, 4.0850,


373.3232, 324.1878


1.3548

404.8609,  
439.0835, 386.0291


 1.3423, 1.7212,  
0.1060


 0.2145, 0.4373,  
0.0000


 76.7895, 85.1564,  
63.4285

 76.7895, 85.1564,  
63.4285

 73.9541, 83.9851,  
50.2943


 80.0704, 86.5119,  
78.8784


 71.5363, 82.9782,  
39.3590


 83.8098, 88.0481,  
96.7423

 69.5155, 82.1304,  
30.5040


 86.1544, 89.0266,  
107.2508

 67.8666, 81.4315,  
23.5973


 86.5086, 89.2092,  
107.2673


 66.5617, 80.8705,  
18.4918


 86.8647, 89.3928,  
107.2840


 65.5689, 80.4345,  
15.0196


 87.2228, 89.5774,  
107.3008


 64.8504, 80.1084,  
12.9811

 87.5829, 89.7630,  
107.3176

 64.3458, 79.8682,  
12.0591

 87.9450, 89.9497,  
107.3346

 64.3227, 79.8571,  
12.0238

 88.3091, 90.1374,  
107.3516

# Harmonies

## Analogous

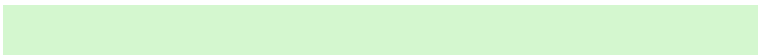
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0738, 85.1564, 62.1824



76.7895, 85.1564, 63.4285



71.8705, 85.1564, 71.9145

# Triad

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



76.7895, 85.1564, 63.4285



73.3038, 85.1564, 122.4331



93.6630, 85.1564, 98.9159

# Complementary

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



76.7895, 85.1564, 63.4285



57.9372, 56.6725, 91.1091

# Split Complementary

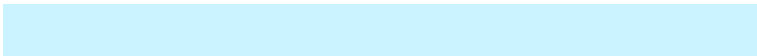
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7391, 85.1564, 117.1968



76.7895, 85.1564, 63.4285



78.8403, 85.1564, 131.9084

# Square

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



76.7895, 85.1564, 63.4285



69.9327, 85.1564, 105.3458



85.2345, 85.1564, 129.8753



93.0426, 85.1564, 81.1471

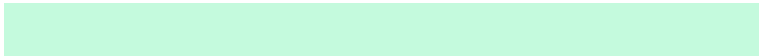


# Rectangle

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



76.7895, 85.1564, 63.4285



69.9213, 85.1564, 81.2378



85.2345, 85.1564, 129.8753



93.0564, 85.1564, 105.2379

# Sweetspot

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



76.7917, 85.1602, 63.4303



92.4439, 98.9298, 96.4277



65.6584, 61.8826, 59.5241



19.7286, 21.1511, 20.3620



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

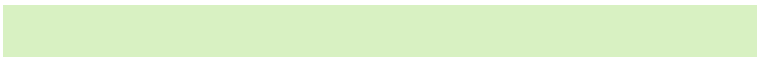
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7917, 85.1602, 63.4303



86.0890, 96.3099, 66.4860



69.4953, 81.3987, 63.0888



17.0523, 18.4227, 16.8069



34.9092, 43.3179, 6.5213



2.9246, 3.6142, 0.5435



# Inverse Universe

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



57.9372, 56.6725, 91.1091



61.3830, 58.9799, 102.7568



64.4051, 60.0068, 91.4118



14.9596, 15.2609, 19.8788



8.7079, 3.4945, 45.3434

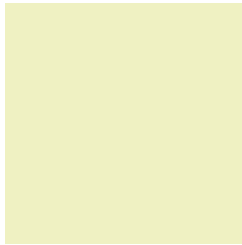


0.7462, 0.3019, 3.7732



# Previews

## White Background



This preview shows how the XYZ color 76.7895, 85.1564, 63.4285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

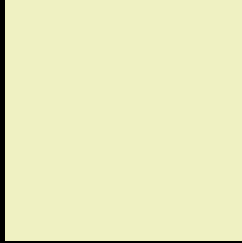
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7895, 85.1564, 63.4285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

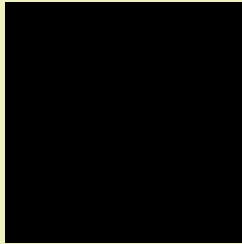
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

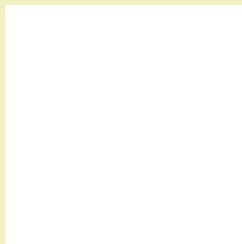
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.7895, 85.1564, 63.4285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7895, 85.1564, 63.4285.



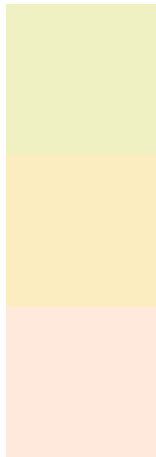
This preview shows how white text looks on a background with the XYZ color 76.7895, 85.1564,



# 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

76.7895, 85.1564, 63.4285

### Protanopia

79.9435, 85.0696, 62.0758

### Deuteranopia

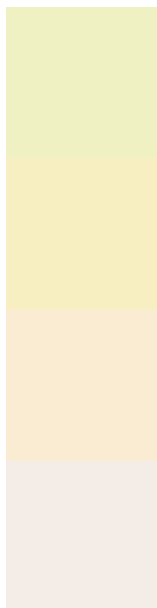
83.2972, 84.7051, 79.6696



## Tritanopia

84.9093, 85.0170, 103.2015

# Trichromacy



## Original Color

76.7895, 85.1564, 63.4285

## Protanomaly

78.5579, 84.7735, 62.6745

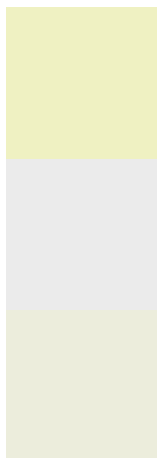
## Deuteranomaly

80.8202, 84.8338, 73.7429

## Tritanomaly

81.5866, 84.9372, 86.9573

# Monochromacy



## Original Color

76.7895, 85.1564, 63.4285

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.7945, 83.5685, 79.7403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7895, 85.1564, 63.4285 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(239, 241, 194)` looks like.

```
.text, #text, p{  
    color:rgb(239, 241, 194)  
}
```

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(239, 241, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 241, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7895, 85.1564, 63.4285 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(239, 241, 194) }
```



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

```
.border{ border-color:rgb(239, 241, 194) }
```

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

Here you see how a box with a 4 pixel rgb(239, 241, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 241, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 241, 194);  
box-shadow:4px 4px 4px 4px rgb(239, 241,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7895, 85.1564, 63.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 241, 194) }
```

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

```
.background{ background-color: rgb(239,  
241, 194) }
```

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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