

# Converting Colors

XYZ(75.4925, 81.3453, 82.4369)

Have a look what the booklet for  
XYZ(75.4925, 81.3453, 82.4369)  
contains.

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# Color

**XYZ(75.4760, 81.4565,  
82.2657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EBE0
RGB	229, 235, 224
RGB Percent	90%, 92%, 88%
CMY	0.1020, 0.0784, 0.1216
CMYK	0.03, 0.00, 0.05, 0.08
HSL	93°, 22%, 90%
HSV	93°, 5%, 92%
XYZ	75.4760, 81.4565, 82.2657
YIQ	231.9520, -0.0450, -4.6930

# Conversions

## Conversions Part 2

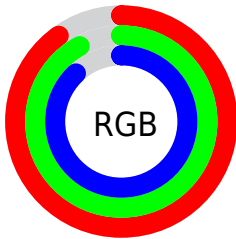
Format	Color
R <sub>Y</sub> B	224, 235, 230
Decimal	15068128
CIE Lab	92.33, -3.95, 4.62
CIE LCh	92, 6.079, 130.467
Yxy	81.4565, 0.3155, 0.3405
Android (android.graphics.Color)	4293258208 (0xFFE5EBE0)
YUV	231.9520, -3.9203, -2.5889
Hunter-Lab	90.2533, -8.6692, 9.1345

# Details

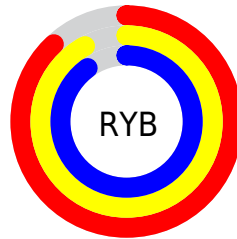
The XYZ color **75.4760, 81.4565, 82.2657** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.2873, 76.1347, 89.3816**, and the grayscale version is **76.6963, 80.6904, 87.8719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7371, 44.1034, 43.9019** is the 20% darker color. If you saturate the color by 10%, you get **68.5657, 78.2396, 66.4391**, and if you desaturate by 10%, it is **83.1337, 85.0125, 100.4301**.

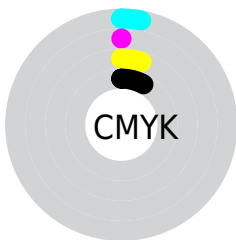
# Distribution



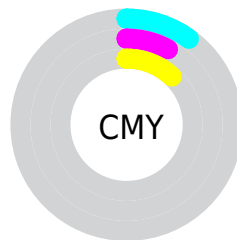
- Red (90%)
- Green (92%)
- Blue (88%)



- Red (88%)
- Yellow (92%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (10%)
- Magenta (8%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4760, 81.4565, 82.2657 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 75.4760, 81.4565, 82.2657 by changing the saturation by 10% instead.



■ 75.4760, 81.4565,  
82.2657

■ 75.4760, 81.4565,  
82.2657

468.5241,  
499.8279, 522.4428

■ 56.2985, 60.9176,  
61.0475

125.9702,  
135.4116, 138.3866

■ 40.6802, 44.1587,  
43.8327

158.0177,  
169.5966, 174.1263

■ 28.2559, 30.7953,  
30.2028

195.0858,  
209.0991, 215.5436

■ 18.6601, 20.4430,  
19.7392

237.5399,  
254.3035, 263.0570

■ 11.5275, 12.7175,  
12.0234

285.7455,  
305.5941, 317.0851

■ 6.4927, 7.2343,  
6.6369

340.0678,

■ 3.1904, 3.6091,

363.3555, 378.0464

3.1611

400.8722,  
427.9720, 446.3594

■ 1.2552, 1.4574,  
1.1775

■ 0.1493, 0.2584,  
0.0000

■ 75.4760, 81.4565,  
82.2657

■ 75.4760, 81.4565,  
82.2657

■ 68.5657, 78.2396,  
66.4391

■ 83.1337, 85.0125,  
100.4301

■ 62.3714, 75.3407,  
52.8502

■ 88.8702, 87.8330,  
106.8772

■ 56.8697, 72.7522,  
41.3992

■ 88.9999, 87.8998,  
106.8833

■ 52.0329, 70.4623,  
31.9771

■ 47.8312, 68.4581,  
24.4649

■ 44.2322, 66.7260,  
18.7314

■ 41.2002, 65.2506,  
14.6289

■ 38.6945, 64.0148,  
11.9855

■ 36.6664, 62.9980,  
10.5913

# Harmonies

## Analogous

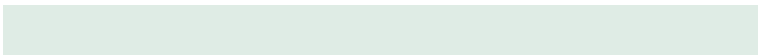
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8739, 81.4565, 80.4460



75.4760, 81.4565, 82.2657



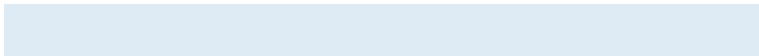
74.6070, 81.4565, 85.8282

# Triad

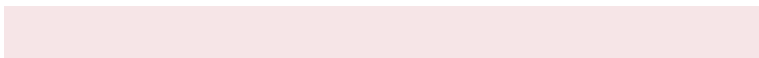
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4760, 81.4565, 82.2657



76.4153, 81.4565, 97.1068



80.4337, 81.4565, 87.1283

# Complementary

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



75.4760, 81.4565, 82.2657



74.2873, 76.1347, 89.3816

# 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.



80.3069, 81.4565, 91.6194



75.4760, 81.4565, 82.2657



77.9726, 81.4565, 97.4837

# Square

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



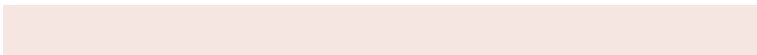
75.4760, 81.4565, 82.2657



75.1442, 81.4565, 94.4323



79.4011, 81.4565, 95.4451



79.7453, 81.4565, 83.1897



# Rectangle

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



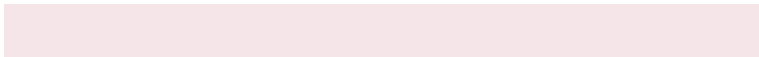
75.4760, 81.4565, 82.2657



74.4374, 81.4565, 88.7629



79.4011, 81.4565, 95.4451



80.4852, 81.4565, 88.6217

# Sweetspot

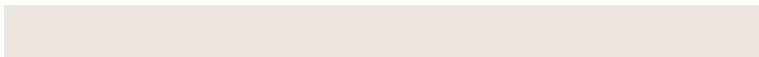
The Sweet Spot groups the original color and five complimentary colors.



75.4783, 81.4600, 82.2675



94.1321, 99.5739, 106.7282



75.9783, 79.5666, 81.8756



20.1578, 21.3174, 22.8671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

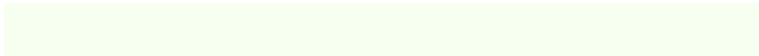


# Same Dimension

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



75.4783, 81.4600, 82.2675



89.6787, 97.5044, 96.2983



73.9555, 80.6693, 82.4562



15.9483, 17.3974, 17.0106



20.0366, 34.8737, 5.6753



1.6829, 2.7949, 0.4508



# Inverse Universe

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



74.2873, 76.1347, 89.3816



87.8503, 89.3290, 107.2197



75.8621, 76.9527, 89.1789



15.5902, 15.7963, 19.1495



13.4680, 5.9789, 44.1872

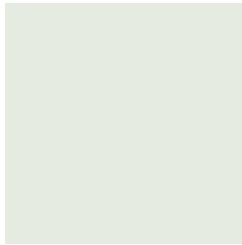


1.1682, 0.5265, 3.4749



# Previews

## White Background



This preview shows how the XYZ color 75.4760, 81.4565, 82.2657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

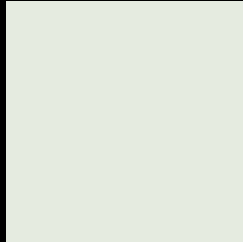
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4760, 81.4565, 82.2657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

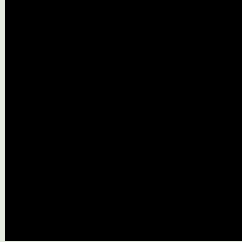
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

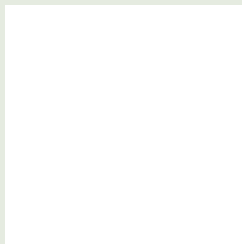
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.4760, 81.4565, 82.2657**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4760, 81.4565, 82.2657.



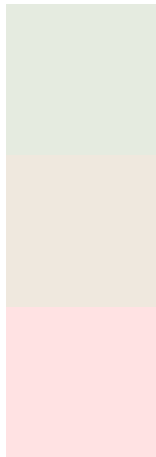
This preview shows how white text looks on a background with the XYZ color 75.4760, 81.4565,

82.2657.

# 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

75.4760, 81.4565, 82.2657

### Protanopia

77.6380, 81.3379, 80.7151

### Deuteranopia

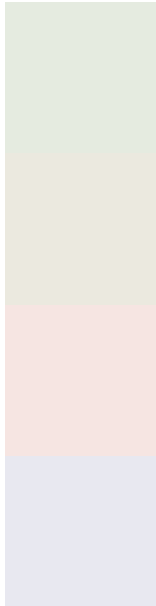
82.3015, 81.1988, 84.0082



## Tritanopia

79.2791, 81.3150, 101.1394

# Trichromacy



## Original Color

75.4760, 81.4565, 82.2657

## Protanomaly

76.7191, 81.2677, 81.4547

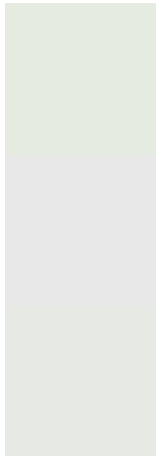
## Deuteranomaly

79.7528, 81.1224, 83.4063

## Tritanomaly

77.8635, 81.1603, 93.9997

# Monochromacy



## Original Color

75.4760, 81.4565, 82.2657

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.2368, 80.9239, 85.7305

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4760, 81.4565, 82.2657 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(229, 235, 224) looks like.

```
.text, #text, p{  
    color:rgb(229, 235, 224)  
}
```

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(229, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 235, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4760, 81.4565, 82.2657 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(229, 235, 224) }
```



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

```
.border{ border-color:rgb(229, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(229, 235,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4760, 81.4565, 82.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 235, 224) }
```

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

```
.background{ background-color: rgb(229,  
235, 224) }
```

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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