

# Converting Colors

XYZ(75.3242, 80.8928, 89.5126)

Have a look what the booklet for  
XYZ(75.3242, 80.8928, 89.5126)  
contains.

<b>XYZ(75.3254, 80.7937, 89.4666)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.3254, 80.7937,  
89.4666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1EAEA
RGB	225, 234, 234
RGB Percent	88%, 92%, 92%
CMY	0.1176, 0.0823, 0.0823
CMYK	0.04, 0.00, 0.00, 0.08
HSL	180°, 18%, 90%
HSV	180°, 4%, 92%
XYZ	75.3254, 80.7937, 89.4666
YIQ	231.3090, -5.3640, -1.9080

# Conversions

## Conversions Part 2

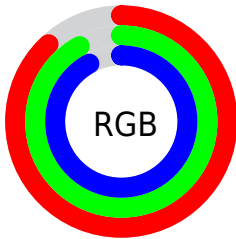
Format	Color
R <sub>Y</sub> B	225, 230, 234
Decimal	14805738
CIE Lab	92.04, -2.98, -1.05
CIE LCh	92, 3.163, 199.387
Yxy	80.7937, 0.3067, 0.3290
Android (android.graphics.Color)	4292995818 (0xFFE1EAEA)
YUV	231.3090, 1.3267, -5.5330
Hunter-Lab	89.8853, -7.7133, 3.9059

# Details

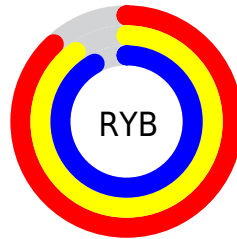
The XYZ color **75.3254, 80.7937, 89.4666** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.4504, 76.7811, 82.1342**, and the grayscale version is **76.1810, 80.1483, 87.2815**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5338, 43.6012, 48.3990** is the 20% darker color. If you saturate the color by 10%, you get **68.5238, 77.2897, 89.1426**, and if you desaturate by 10%, it is **83.1314, 84.8199, 89.8409**.

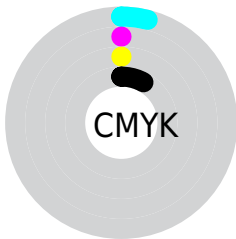
# Distribution



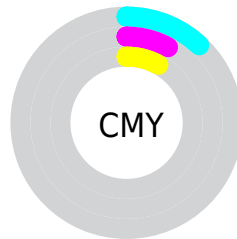
- Red (88%)
- Green (92%)
- Blue (92%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3254, 80.7937, 89.4666 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 75.3254, 80.7937, 89.4666 by changing the saturation by 10% instead.



■ 75.3254, 80.7937,  
89.4666

■ 75.3254, 80.7937,  
89.4666

468.0152,  
497.6036, 546.8195

■ 56.1746, 60.3717,  
66.9671

125.7583,  
134.4811, 148.5263

■ 40.5805, 43.7183,  
48.5965

157.7712,  
168.5152, 185.9236

■ 28.1777, 30.4491,  
33.9361

194.8021,  
207.8555, 229.1239

■ 18.6008, 20.1797,  
22.5676

237.2165,  
252.8864, 278.5457

■ 11.4844, 12.5258,  
14.0722

285.3796,  
303.9923, 334.6077

■ 6.4634, 7.1028,  
8.0316

339.6569,

■ 3.1721, 3.5265,

361.5575, 397.7282

4.0271

400.4136,  
425.9665, 468.3260

■ 1.2454, 1.4124,  
1.6402

■ 0.1418, 0.2258,  
0.3193

■ 75.3254, 80.7937,  
89.4666

■ 75.3254, 80.7937,  
89.4666

■ 68.5238, 77.2897,  
89.1426

■ 83.1314, 84.8199,  
89.8409

■ 62.6792, 74.2769,  
88.8617


■ 85.5187, 86.0505,  
89.9600


■ 57.7509, 71.7364,  
88.6238

■ 85.5201, 86.0510,  
89.9674


■ 53.6923, 69.6443,  
88.4265


■ 85.5215, 86.0516,  
89.9748


 50.4531, 67.9746,  
88.2675


 85.5229, 86.0522,  
89.9822


 47.9774, 66.6985,  
88.1443


 85.5243, 86.0527,  
89.9896

 46.2027, 65.7838,  
88.0539

 85.5257, 86.0533,  
89.9971

 45.0565, 65.1931,  
87.9930

 85.5272, 86.0538,  
90.0045

 44.4505, 64.8808,  
87.9573

 85.5286, 86.0544,  
90.0119

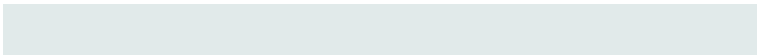
# Harmonies

## Analogous

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



75.2642, 80.7937, 87.1479



75.3254, 80.7937, 89.4666



75.7779, 80.7937, 91.4166

# Triad

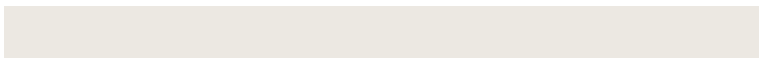
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.3254, 80.7937, 89.4666



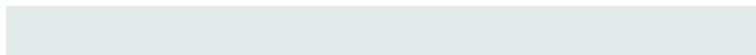
77.9860, 80.7937, 90.9201



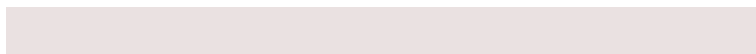
77.0805, 80.7937, 83.6390

# Complementary

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



75.3254, 80.7937, 89.4666



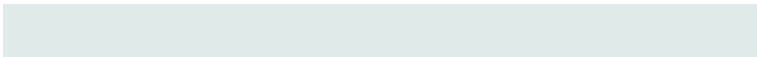
74.4504, 76.7811, 82.1342

# Split Complementary

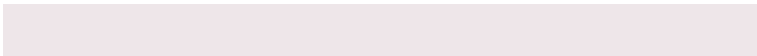
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8151, 80.7937, 84.6124



75.3254, 80.7937, 89.4666



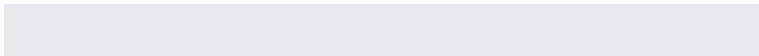
78.3403, 80.7937, 88.7985

# Square

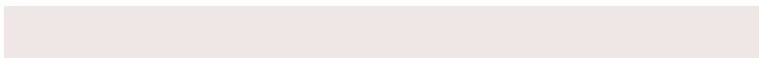
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3254, 80.7937, 89.4666



77.3126, 80.7937, 92.2659



78.2775, 80.7937, 86.4914



76.2737, 80.7937, 83.8107

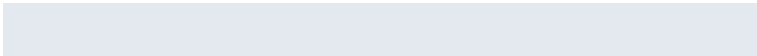


# Rectangle

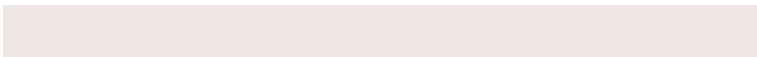
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



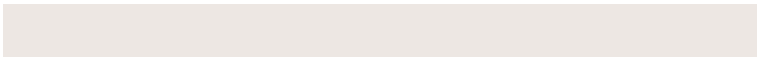
75.3254, 80.7937, 89.4666



76.2424, 80.7937, 92.2321



78.2775, 80.7937, 86.4914



77.3442, 80.7937, 83.8425

# Sweetspot

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



75.3277, 80.7971, 89.4684



94.1179, 99.5195, 108.8555



74.1138, 80.3170, 82.8318



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

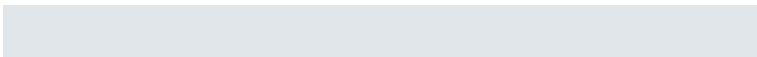
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3277, 80.7971, 89.4684



90.5130, 97.6612, 108.6832



74.1044, 78.3496, 89.0633



16.0877, 17.4158, 19.4350



24.8719, 36.4032, 49.4178



1.9531, 2.8586, 3.8810

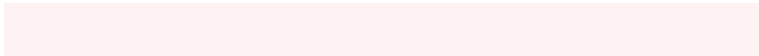


# Inverse Universe

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



74.4504, 76.7811, 82.1342



89.1320, 91.3393, 97.1381



75.6415, 79.1641, 82.5287



15.8097, 16.1428, 17.1102



19.0682, 9.8300, 0.8945

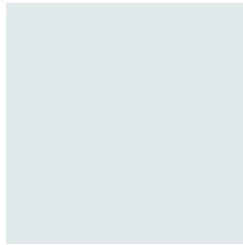


1.4974, 0.7719, 0.0707



# Previews

## White Background



This preview shows how the XYZ color 75.3254, 80.7937, 89.4666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

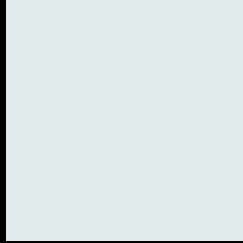
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3254, 80.7937, 89.4666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

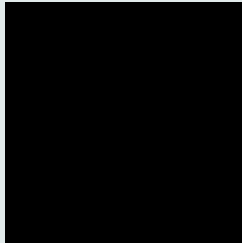
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

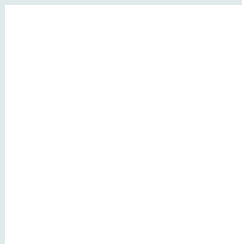
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.3254, 80.7937, 89.4666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3254, 80.7937, 89.4666.



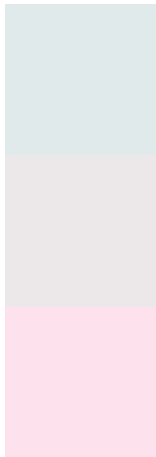
This preview shows how white text looks on a background with the XYZ color 75.3254, 80.7937,

89.4666.

# 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

75.3254, 80.7937, 89.4666

### Protanopia

77.7335, 80.8109, 87.8450

### Deuteranopia

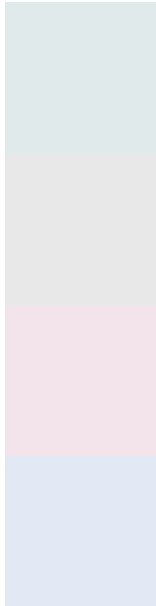
82.5735, 80.7892, 90.5987



## **Tritanopia**

78.1068, 81.1093, 101.9815

# Trichromacy



## Original Color

75.3254, 80.7937, 89.4666

## Protanomaly

76.8433, 80.7522, 88.6275

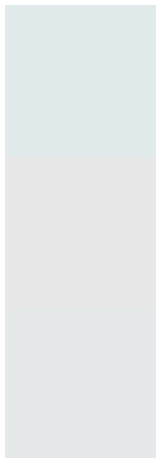
## Deuteranomaly

79.7009, 80.5397, 89.9423

## Tritanomaly

77.1466, 81.1404, 97.1835

# Monochromacy



## Original Color

75.3254, 80.7937, 89.4666

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.7352, 80.1974, 87.8319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3254, 80.7937, 89.4666 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, 234, 234) looks like.

```
.text, #text, p{  
    color:rgb(225, 234, 234)  
}
```

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, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 234, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3254, 80.7937, 89.4666 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, 234, 234) }
```



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

```
.border{ border-color:rgb(225, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(225, 234,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3254, 80.7937, 89.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 234, 234) }
```

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

```
.background{ background-color: rgb(225,  
234, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor