

# Converting Colors

XYZ(75.0103, 80.3359, 87.6248)

Have a look what the booklet for  
XYZ(75.0103, 80.3359, 87.6248)  
contains.

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# Color

**XYZ(75.0684, 80.2728,  
87.8816)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E9E8
RGB	226, 233, 232
RGB Percent	89%, 91%, 91%
CMY	0.1137, 0.0863, 0.0902
CMYK	0.03, 0.00, 0.00, 0.09
HSL	171°, 14%, 90%
HSV	171°, 3%, 91%
XYZ	75.0684, 80.2728, 87.8816
YIQ	230.7930, -3.8510, -1.7950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 230, 233
Decimal	14871016
CIE <sub>Lab</sub>	91.81, -2.51, -0.34
CIE <sub>LCh</sub>	92, 2.530, 187.685
Yxy	80.2728, 0.3086, 0.3300
Android (android.graphics.Color)	4293061096 (0xFFE2E9E8)
YUV	230.7930, 0.5951, -4.2035
Hunter-Lab	89.5951, -7.2329, 4.5605

# Details

The XYZ color **75.0684, 80.2728, 87.8816** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.6687, 77.2644, 83.6550**, and the grayscale version is **75.8015, 79.7490, 86.8467**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3532, 43.2368, 47.2930** is the 20% darker color. If you saturate the color by 10%, you get **67.7834, 76.5738, 85.0892**, and if you desaturate by 10%, it is **83.3599, 84.4941, 90.7715**.

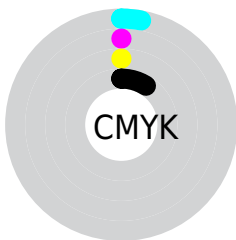
# Distribution



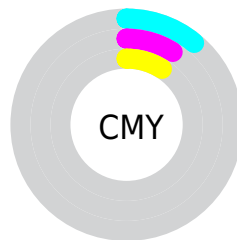
- Red (89%)
- Green (91%)
- Blue (91%)



- Red (89%)
- Yellow (90%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0684, 80.2728, 87.8816 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 75.0684, 80.2728, 87.8816 by changing the saturation by 10% instead.



■ 75.0684, 80.2728,  
87.8816

■ 75.0684, 80.2728,  
87.8816

467.1462,  
495.8517, 541.5067

■ 55.9633, 59.9429,  
65.6612

125.3966,  
133.7492, 146.3020

■ 40.4104, 43.3726,  
47.5427

157.3504,  
167.6645, 183.3391

■ 28.0443, 30.1776,  
33.1075

194.3177,  
206.8770, 226.1522

■ 18.4997, 19.9734,  
21.9370

236.6641,  
251.7711, 275.1599

■ 11.4112, 12.3757,  
13.6127

284.7547,  
302.7312, 330.7806

■ 6.4134, 7.0001,  
7.7162

338.9551,

■ 3.1411, 3.4622,

360.1418, 393.4330

3.8287

399.6304,  
424.3871, 463.5355

■ 1.2288, 1.3775,  
1.5319

■ 0.1289, 0.2001,  
0.2415

■ 75.0684, 80.2728,  
87.8816

■ 75.0684, 80.2728,  
87.8816

■ 67.7834, 76.5738,  
85.0892

■ 83.3599, 84.4941,  
90.7715

■ 61.4582, 73.3663,  
82.3868

■ 85.9134, 85.7541,  
93.4385

■ 56.0526, 70.6318,  
79.7741

■ 86.4106, 85.9530,  
96.0569

■ 51.5209, 68.3469,  
77.2485

■ 86.9170, 86.1556,  
98.7235

■ 47.8134, 66.4858,  
74.8075

■ 87.4326, 86.3618,  
101.4387

■ 44.8756, 65.0204,  
72.4483

■ 87.9574, 86.5717,  
104.2025

■ 42.6460, 63.9192,  
70.1678

■ 88.4305, 86.7610,  
106.6935

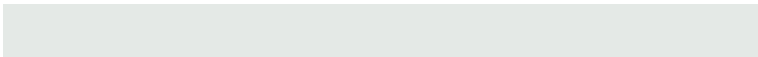
■ 41.0538, 63.1456,  
67.9623

■ 40.0134, 62.6554,  
65.8275

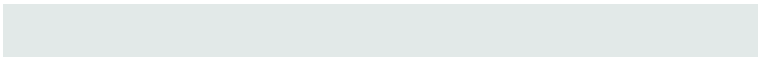
# Harmonies

## Analogous

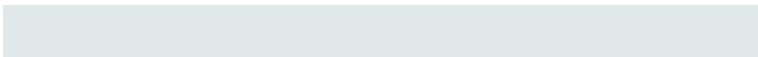
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1497, 80.2728, 86.0551



75.0684, 80.2728, 87.8816



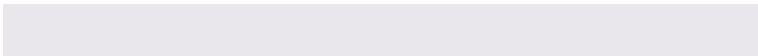
75.3148, 80.2728, 89.6037

# Triad

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



75.0684, 80.2728, 87.8816



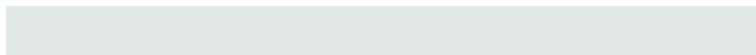
77.0613, 80.2728, 90.2588



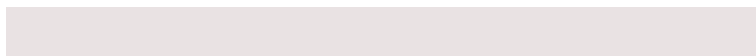
76.7711, 80.2728, 84.1428

# Complementary

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



75.0684, 80.2728, 87.8816



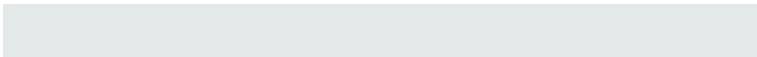
74.6687, 77.2644, 83.6550

# Split Complementary

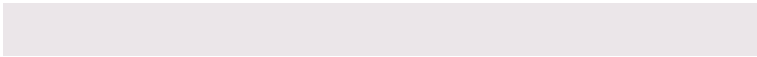
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2875, 80.2728, 85.2395



75.0684, 80.2728, 87.8816



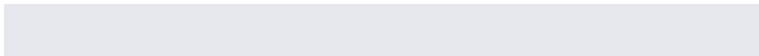
77.4557, 80.2728, 88.7658

# Square

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



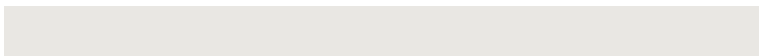
75.0684, 80.2728, 87.8816



76.4637, 80.2728, 90.9887



77.5387, 80.2728, 86.9270

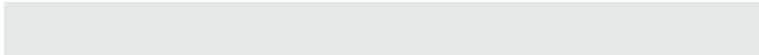


76.1304, 80.2728, 83.9136

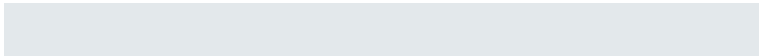


# Rectangle

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



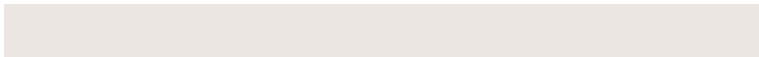
75.0684, 80.2728, 87.8816



75.6326, 80.2728, 90.4548



77.5387, 80.2728, 86.9270



76.9651, 80.2728, 84.4214

# Sweetspot

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



75.0707, 80.2762, 87.8834



94.0593, 99.4960, 108.5468



74.5631, 80.1114, 83.4857



20.1430, 21.3016, 23.2372



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

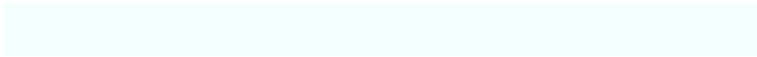


# Same Dimension

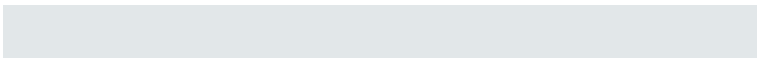
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0707, 80.2762, 87.8834



91.1619, 98.0227, 107.4941



74.5245, 78.9550, 88.4069



16.1859, 17.4721, 19.1828



22.4589, 35.4380, 36.7110



1.7890, 2.7929, 3.0166

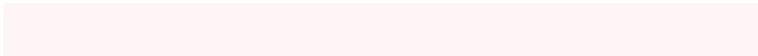


# Inverse Universe

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



74.6687, 77.2644, 83.6550



90.5067, 93.1138, 100.6023



75.2019, 78.5519, 83.1510



16.0485, 16.4428, 17.7377



19.2537, 9.9042, 1.8713

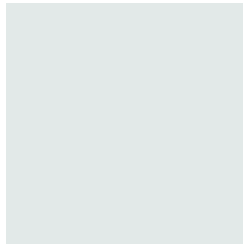


1.5393, 0.7887, 0.2915



# Previews

## White Background



This preview shows how the XYZ color 75.0684, 80.2728, 87.8816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

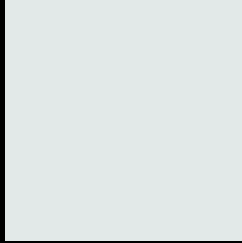
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0684, 80.2728, 87.8816 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

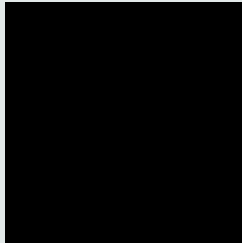
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

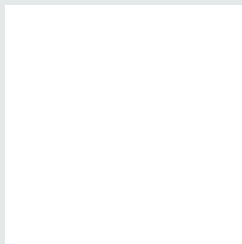
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.0684, 80.2728, 87.8816**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0684, 80.2728, 87.8816.



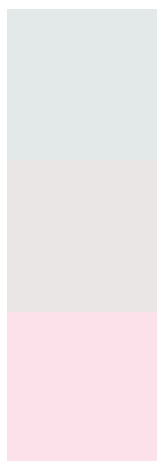
This preview shows how white text looks on a background with the XYZ color 75.0684, 80.2728,

87.8816.

# 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

75.0684, 80.2728, 87.8816

### Protanopia

76.8407, 79.9690, 86.2485

### Deuteranopia

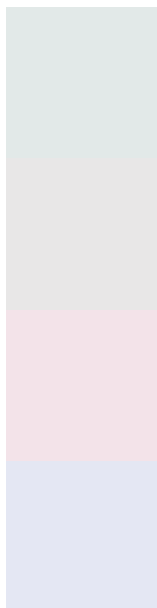
81.6518, 79.9473, 88.9698



## Tritanopia

77.7088, 80.0912, 100.9860

# Trichromacy



## Original Color

75.0684, 80.2728, 87.8816

## Protanomaly

76.2784, 80.0772, 87.0374

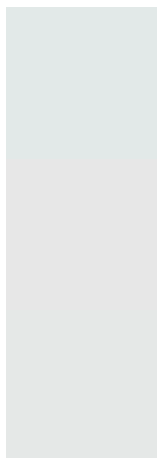
## Deuteranomaly

79.1392, 79.8760, 88.3373

## Tritanomaly

76.7485, 80.1169, 96.2130

# Monochromacy



## Original Color

75.0684, 80.2728, 87.8816

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.5935, 80.1408, 87.0858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0684, 80.2728, 87.8816 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(226, 233, 232) looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 232)  
}
```

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(226, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0684, 80.2728, 87.8816 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(226, 233, 232) }
```



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

```
.border{ border-color:rgb(226, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0684, 80.2728, 87.8816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 232) }
```

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

```
.background{ background-color: rgb(226,  
233, 232) }
```

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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