

# Converting Colors

XYZ(75.3011, 79.8538, 87.5537)

Have a look what the booklet for  
XYZ(75.3011, 79.8538, 87.5537)  
contains.

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# Color

**XYZ(75.4170, 80.0334,  
87.8170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E8E8
RGB	228, 232, 232
RGB Percent	89%, 91%, 91%
CMY	0.1059, 0.0902, 0.0902
CMYK	0.02, 0.00, 0.00, 0.09
HSL	180°, 8%, 90%
HSV	180°, 2%, 91%
XYZ	75.4170, 80.0334, 87.8170
YIQ	230.8040, -2.3840, -0.8480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 230, 232
Decimal	15001832
CIE Lab	91.70, -1.33, -0.48
CIE LCh	92, 1.414, 199.745
Yxy	80.0334, 0.3100, 0.3290
Android (android.graphics.Color)	4293191912 (0xFFE4E8E8)
YUV	230.8040, 0.5896, -2.4591
Hunter-Lab	89.4614, -6.0798, 4.4228

# Details

The XYZ color **75.4170, 80.0334, 87.8170** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.0287, 78.2461, 84.5513**, and the grayscale version is **75.8089, 79.7568, 86.8552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5954, 43.0695, 47.2479** is the 20% darker color. If you saturate the color by 10%, you get **68.5427, 76.4922, 87.4803**, and if you desaturate by 10%, it is **83.2836, 84.0906, 88.2034**.

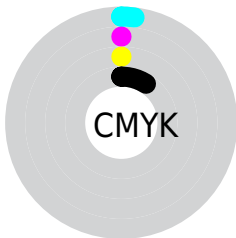
# Distribution



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



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



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4170, 80.0334, 87.8170 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 75.4170, 80.0334, 87.8170 by changing the saturation by 10% instead.



■ 75.4170, 80.0334,  
87.8170

■ 75.4170, 80.0334,  
87.8170

468.3248,  
495.0454, 541.2895

■ 56.2500, 59.7458,  
65.6080

125.8872,  
133.4127, 146.2113

■ 40.6411, 43.2138,  
47.4998

157.9211,  
167.2732, 183.2336

■ 28.2252, 30.0529,  
33.0738

194.9747,  
206.4268, 226.0309

■ 18.6368, 19.8787,  
21.9114

237.4132,  
251.2580, 275.0216

■ 11.5106, 12.3069,  
13.5941

285.6022,  
302.1510, 330.6243

■ 6.4812, 6.9531,  
7.7034

339.9068,

■ 3.1832, 3.4328,

359.4903, 393.2575

3.8207

400.6926,  
423.6603, 463.3397

■ 1.2514, 1.3616,  
1.5275

■ 0.1464, 0.1882,  
0.2383

■ 75.4170, 80.0334,  
87.8170

■ 75.4170, 80.0334,  
87.8170

■ 68.5427, 76.4922,  
87.4803

■ 83.2836, 84.0906,  
88.2034

■ 62.6147, 73.4365,  
87.1863


■ 84.6702, 84.8051,  
88.2849


■ 57.5937, 70.8485,  
86.9347


■ 84.6734, 84.8064,  
88.3017


■ 53.4349, 68.7049,  
86.7235

■ 84.6766, 84.8077,  
88.3185


 50.0899, 66.9809,  
86.5503


 84.6798, 84.8090,  
88.3352


 47.5053, 65.6488,  
86.4127


 84.6830, 84.8102,  
88.3520

 45.6213, 64.6780,  
86.3080

 84.6862, 84.8115,  
88.3688

 44.3696, 64.0331,  
86.2328

 84.6893, 84.8128,  
88.3856

 43.6676, 63.6716,  
86.1834

 84.6925, 84.8141,  
88.4023

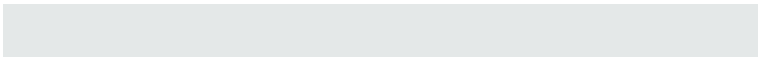
# Harmonies

## Analogous

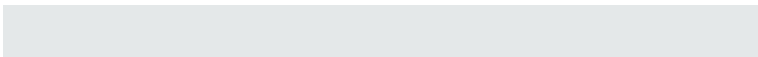
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3874, 80.0334, 86.7888



75.4170, 80.0334, 87.8170



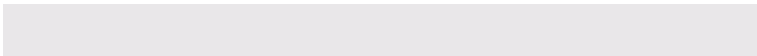
75.6211, 80.0334, 88.6708

# Triad

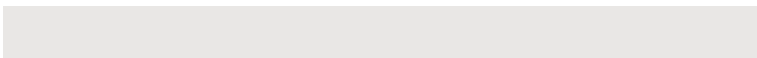
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4170, 80.0334, 87.8170



76.6010, 80.0334, 88.4355



76.1932, 80.0334, 85.1985

# Complementary

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



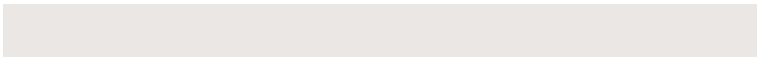
75.4170, 80.0334, 87.8170



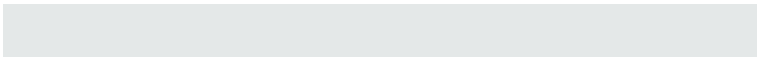
75.0287, 78.2461, 84.5513

# 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.



76.5194, 80.0334, 85.6324



75.4170, 80.0334, 87.8170



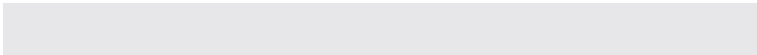
76.7554, 80.0334, 87.4977

# Square

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



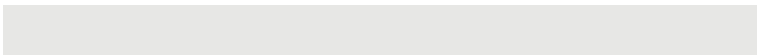
75.4170, 80.0334, 87.8170



76.3044, 80.0334, 89.0299



76.7254, 80.0334, 86.4720



75.8348, 80.0334, 85.2825



# Rectangle

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



75.4170, 80.0334, 87.8170



75.8290, 80.0334, 89.0237



76.7254, 80.0334, 86.4720



76.3102, 80.0334, 85.2885

# Sweetspot

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



75.4193, 80.0368, 87.8188



94.1177, 99.5194, 108.8543



74.8785, 79.8230, 84.8608



20.1549, 21.3063, 23.2998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

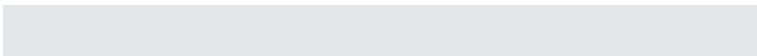
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4193, 80.0368, 87.8188



93.1977, 99.0452, 108.8092



74.8780, 78.9535, 87.6410



15.9224, 16.9112, 18.5687



24.0889, 35.2677, 47.8299



1.7803, 2.6062, 3.5355



# Inverse Universe

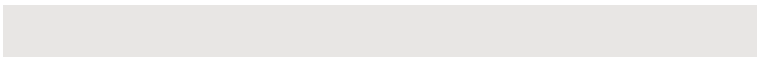
The Inverse Universe completely reimagines the original color for something new.



75.0287, 78.2461, 84.5513



92.6350, 96.4652, 104.1016



75.5635, 79.3167, 84.7270



15.8321, 16.4970, 17.8128



18.4760, 9.5246, 0.8696

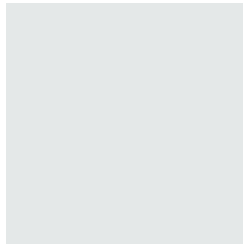


1.3655, 0.7039, 0.0653



# Previews

## White Background



This preview shows how the XYZ color 75.4170, 80.0334, 87.8170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

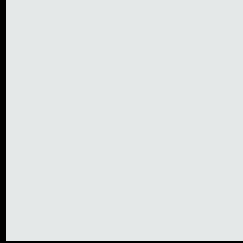
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4170, 80.0334, 87.8170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

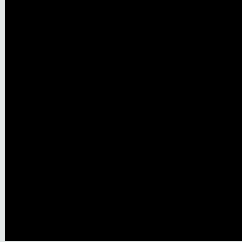
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

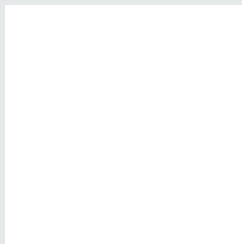
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.4170, 80.0334, 87.8170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4170, 80.0334, 87.8170.



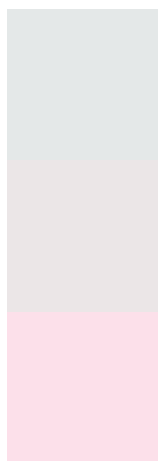
This preview shows how white text looks on a background with the XYZ color 75.4170, 80.0334,

87.8170.

# 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

75.4170, 80.0334, 87.8170

### Protanopia

76.9816, 80.0253, 86.9904

### Deuteranopia

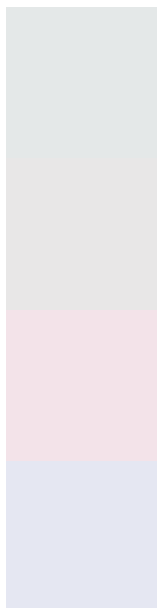
81.6518, 79.9473, 88.9698



## Tritanopia

77.8732, 80.1939, 100.1816

# Trichromacy



## Original Color

75.4170, 80.0334, 87.8170

## Protanomaly

76.2784, 80.0772, 87.0374

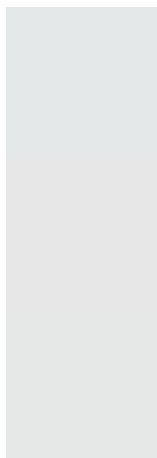
## Deuteranomaly

79.1392, 79.8760, 88.3373

## Tritanomaly

76.9160, 80.2206, 95.4346

# Monochromacy



## Original Color

75.4170, 80.0334, 87.8170

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.6328, 79.7443, 87.0072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4170, 80.0334, 87.8170 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(228, 232, 232) looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 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(228, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4170, 80.0334, 87.8170 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(228, 232, 232) }
```



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

```
.border{ border-color:rgb(228, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4170, 80.0334, 87.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 232) }
```

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

```
.background{ background-color: rgb(228,  
232, 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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