

# Converting Colors

XYZ(74.3984, 75.5588, 80.6201)

Have a look what the booklet for  
XYZ(74.3984, 75.5588, 80.6201)  
contains.

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# **Color**

**XYZ(74.3656, 75.5748,  
80.4799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEDF
RGB	237, 222, 223
RGB Percent	93%, 87%, 87%
CMY	0.0706, 0.1294, 0.1255
CMYK	0.00, 0.06, 0.06, 0.07
HSL	356°, 29%, 90%
HSV	356°, 6%, 93%
XYZ	74.3656, 75.5748, 80.4799
YIQ	226.5990, 8.6190, 3.4910

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	237, 222, 223
Decimal	15589087
CIE Lab	89.66, 5.29, 1.34
CIE LCh	90, 5.462, 14.248
Yxy	75.5748, 0.3227, 0.3280
Android (android.graphics.Color)	4293779167 (0xFFEDED)
YUV	226.5990, -1.7743, 9.1217
Hunter-Lab	86.9338, 0.5598, 5.9653

# Details

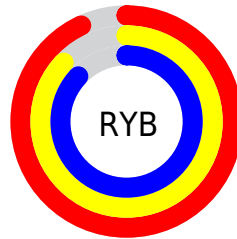
The XYZ color **74.3656, 75.5748, 80.4799** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5516, 82.1560, 91.2367**, and the grayscale version is **72.7324, 76.5201, 83.3304**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9427, 40.2883, 42.7170** is the 20% darker color. If you saturate the color by 10%, you get **65.7174, 62.7439, 63.8285**, and if you desaturate by 10%, it is **84.2928, 90.3378, 99.4827**.

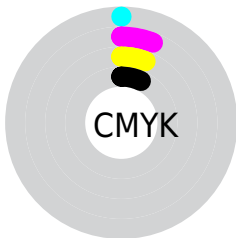
# Distribution



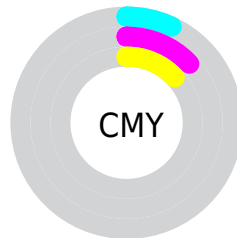
- Red (93%)
- Green (87%)
- Blue (87%)



- Red (93%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (7%)



- Cyan (7%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.3656, 75.5748, 80.4799 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 74.3656, 75.5748, 80.4799 by changing the saturation by 10% instead.



74.3656, 75.5748,  
80.4799

74.3656, 75.5748,  
80.4799

464.7651,  
479.8909, 516.2980

55.3857, 56.0839,  
59.5849

124.4067,  
127.1257, 135.8577

39.9456, 40.2702,  
42.6610

156.1985,  
159.9545, 171.1776

27.6802, 27.7493,  
29.2898

192.9917,  
197.9980, 212.1428

18.2239, 18.1368,  
19.0527

235.1515,  
241.6407, 259.1719

11.2115, 11.0482,  
11.5312

283.0434,  
291.2670, 312.6834

6.2776, 6.0993,  
6.3067

337.0328,

3.0569, 2.9055,

347.2611, 373.0959

2.9606

397.4849,  
410.0077, 440.8279

■ 1.1839, 1.0826,  
1.0746

■ 0.0936, 0.0000,  
0.0000

■ 74.3656, 75.5748,  
80.4799

■ 74.3656, 75.5748,  
80.4799

■ 65.7174, 62.7439,  
63.8285

■ 84.2928, 90.3378,  
99.4827

■ 58.2901, 51.7558,  
49.4325

■ 88.7355, 96.7447,  
108.6045

■ 52.0305, 42.5289,  
37.1963

■ 46.8792, 34.9717,  
27.0156

■ 42.7714, 28.9841,  
18.7777

■ 39.6357, 24.4559,  
12.3588

■ 37.3917, 21.2620,  
7.6209

■ 35.9459, 19.2569,  
4.4063

■ 35.1834, 18.2591,  
2.5268

# Harmonies

## Analogous

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



74.3476, 75.5748, 84.3137



74.3656, 75.5748, 80.4799



73.6987, 75.5748, 77.2311

# Triad

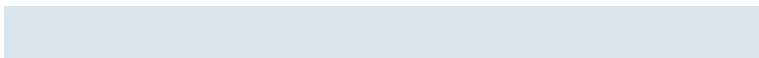
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3656, 75.5748, 80.4799



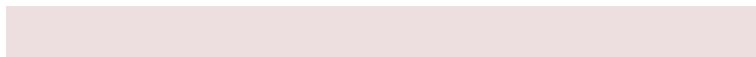
70.0434, 75.5748, 77.0995



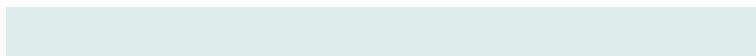
71.1323, 75.5748, 89.6189

# Complementary

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



74.3656, 75.5748, 80.4799



75.5516, 82.1560, 91.2367

# Split Complementary

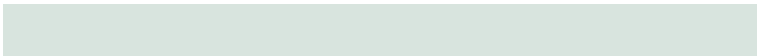
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9963, 75.5748, 87.5612



74.3656, 75.5748, 80.4799



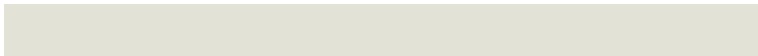
69.3729, 75.5748, 80.2952

# Square

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



74.3656, 75.5748, 80.4799



71.1974, 75.5748, 75.3210



69.3558, 75.5748, 84.1232



72.4695, 75.5748, 89.6721



# Rectangle

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



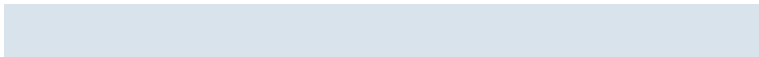
74.3656, 75.5748, 80.4799



72.9602, 75.5748, 75.8003



69.3558, 75.5748, 84.1232



70.7146, 75.5748, 89.1359

# Sweetspot

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



74.3677, 75.5781, 80.4815



92.6873, 96.4862, 104.3774



76.0016, 76.1932, 90.8227



19.8636, 20.6888, 22.3884



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

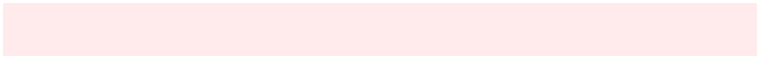


# Same Dimension

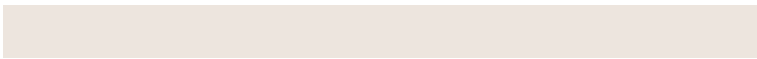
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.3677, 75.5781, 80.4815



85.9677, 86.5014, 91.4878



75.9932, 79.0433, 80.3629



15.1060, 15.0703, 15.8437



19.1343, 9.8564, 1.2426



1.5168, 0.7797, 0.1727



# Inverse Universe

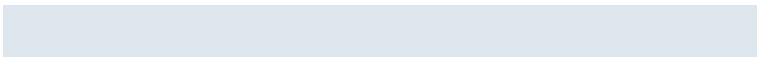
The Inverse Universe completely reimagines the original color for something new.



74.3677, 75.5781, 80.4815



85.9677, 86.5014, 91.4878



73.8492, 78.5191, 91.3851



15.1060, 15.0703, 15.8437



19.1343, 9.8564, 1.2426

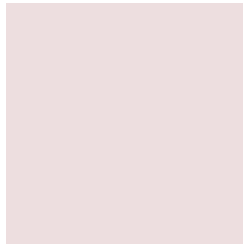


1.5168, 0.7797, 0.1727



# Previews

## White Background



This preview shows how the XYZ color 74.3656, 75.5748, 80.4799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

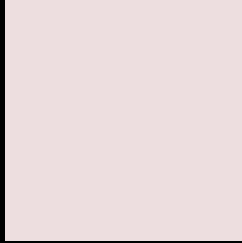
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3656, 75.5748, 80.4799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

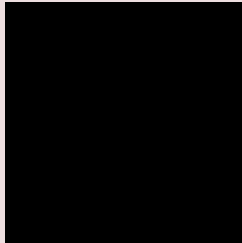
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

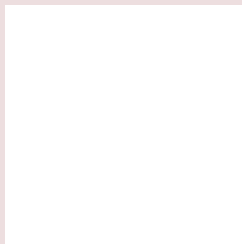
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.3656, 75.5748, 80.4799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3656, 75.5748, 80.4799.



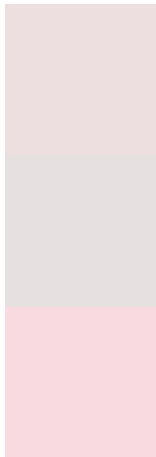
This preview shows how white text looks on a background with the XYZ color 74.3656, 75.5748,

80.4799.

# 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

74.3656, 75.5748, 80.4799

### Protanopia

72.7433, 75.5161, 81.2631

### Deuteranopia

77.2373, 75.4811, 81.0195



## Tritanopia

76.4759, 75.6515, 90.6923

# Trichromacy



## Original Color

74.3656, 75.5748, 80.4799

## Protanomaly

73.4465, 75.4808, 81.2192

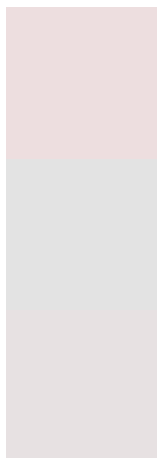
## Deuteranomaly

76.0943, 75.2780, 81.0405

## Tritanomaly

75.6818, 75.7162, 86.9698

# Monochromacy



## Original Color

74.3656, 75.5748, 80.4799

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.6077, 76.3303, 82.8052

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3656, 75.5748, 80.4799 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(237, 222, 223) looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 223)  
}
```

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(237, 222, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3656, 75.5748, 80.4799 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(237, 222, 223) }
```



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

```
.border{ border-color:rgb(237, 222, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 222, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3656, 75.5748, 80.4799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 223) }
```

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

```
.background{ background-color: rgb(237,  
222, 223) }
```

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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