

# Converting Colors

XYZ(75.5556, 79.7727, 84.7812)

Have a look what the booklet for  
XYZ(75.5556, 79.7727, 84.7812)  
contains.

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# **Color**

**XYZ(75.5345, 79.7422,  
84.8095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E7E4
RGB	231, 231, 228
RGB Percent	91%, 91%, 89%
CMY	0.0941, 0.0941, 0.1059
CMYK	0.00, 0.00, 0.01, 0.09
HSL	60°, 6%, 90%
HSV	60°, 1%, 91%
XYZ	75.5345, 79.7422, 84.8095
YIQ	230.6580, 0.9630, -0.9330

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 231, 228
Decimal	15198180
CIE <sub>Lab</sub>	91.57, -0.53, 1.45
CIE <sub>LCh</sub>	92, 1.540, 110.008
Y <sub>xy</sub>	79.7422, 0.3146, 0.3321
Android (android.graphics.Color)	4293388260 (0xFFE7E7E4)
Y <sub>UV</sub>	230.6580, -1.3104, 0.2999
Hunter-Lab	89.2985, -5.2854, 6.1994

# Details

The XYZ color **75.5345, 79.7422, 84.8095** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.1652, 77.7525, 86.7042**, and the grayscale version is **75.7123, 79.6553, 86.7446**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5520, 42.7910, 45.6573** is the 20% darker color. If you saturate the color by 10%, you get **72.5301, 78.5418, 69.0324**, and if you desaturate by 10%, it is **78.9720, 81.1209, 102.8469**.

# Distribution



Red (91%)

Green (91%)

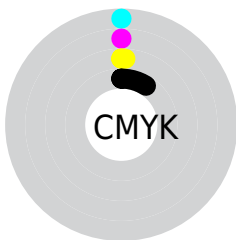
Blue (89%)



Red (89%)

Yellow (91%)

Blue (89%)

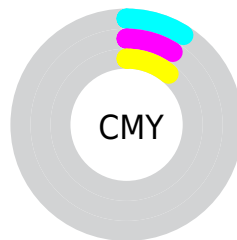


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5345, 79.7422, 84.8095 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 75.5345, 79.7422, 84.8095 by changing the saturation by 10% instead.



■ 75.5345, 79.7422,  
84.8095

■ 75.5345, 79.7422,  
84.8095

468.7216,  
494.0636, 531.1256

■ 56.3466, 59.5062,  
63.1347

126.0526,  
133.0032, 141.9788

■ 40.7190, 43.0208,  
45.5085

158.1134,  
166.7971, 178.3104

■ 28.2863, 29.9014,  
31.5123

195.1960,  
205.8790, 220.3647

■ 18.6831, 19.7638,  
20.7275

237.6656,  
250.6334, 268.5603

■ 11.5442, 12.2234,  
12.7357

285.8876,  
301.4446, 323.3156

■ 6.5041, 6.8960,  
7.1182

340.2274,

■ 3.1975, 3.3972,

358.6972, 385.0492

3.4566

401.0503,  
422.7754, 454.1797

■ 1.2590, 1.3424,  
1.3322

■ 0.1522, 0.1737,  
0.0880

■ 75.5345, 79.7422,  
84.8095

■ 75.5345, 79.7422,  
84.8095

■ 72.5301, 78.5418,  
69.0324

■ 78.9720, 81.1209,  
102.8469

■ 69.9351, 77.5026,  
55.4215

■ 79.6036, 81.3748,  
106.1191

■ 67.7339, 76.6209,  
43.8839

■ 79.6140, 81.3801,  
106.1196

■ 65.9071, 75.8890,  
34.3179

■ 79.6243, 81.3854,  
106.1201

64.4337, 75.2985,  
26.6133

79.6347, 81.3908,  
106.1205

63.2908, 74.8401,  
20.6489

79.6450, 81.3961,  
106.1210

62.4527, 74.5037,  
16.2894

79.6554, 81.4015,  
106.1215

61.8899, 74.2773,  
13.3795

79.6657, 81.4068,  
106.1220

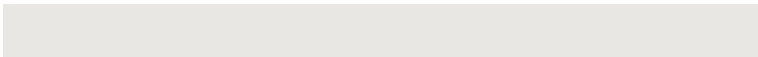
61.5670, 74.1470,  
11.7332

79.6761, 81.4121,  
106.1225

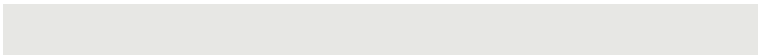
# Harmonies

## Analogous

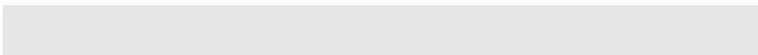
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9237, 79.7422, 84.7133



75.5345, 79.7422, 84.8095



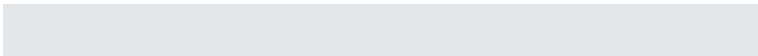
75.2155, 79.7422, 85.4433

# Triad

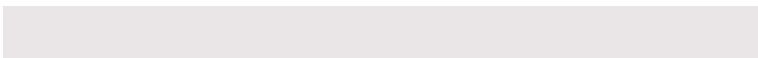
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5345, 79.7422, 84.8095



75.3083, 79.7422, 88.4931



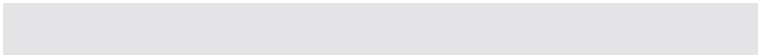
76.5386, 79.7422, 87.2014

# Complementary

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



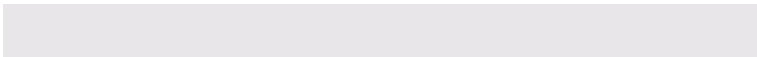
75.5345, 79.7422, 84.8095



74.1652, 77.7525, 86.7042

# 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.



76.3725, 79.7422, 88.2229



75.5345, 79.7422, 84.8095



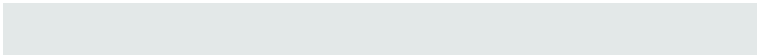
75.6616, 79.7422, 88.9729

# Square

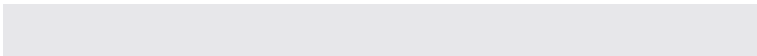
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



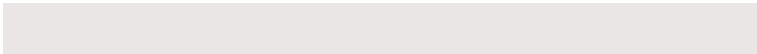
75.5345, 79.7422, 84.8095



75.0853, 79.7422, 87.5677



76.0512, 79.7422, 88.8736



76.5043, 79.7422, 86.0879



# Rectangle

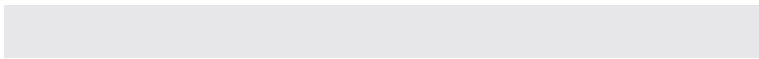
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5345, 79.7422, 84.8095



75.0852, 79.7422, 86.0885



76.0512, 79.7422, 88.8736



76.5044, 79.7422, 87.5671

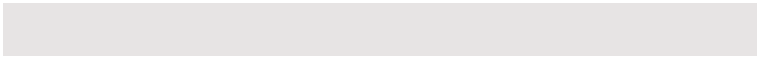
# Sweetspot

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



75.5367, 79.7456, 84.8112

95.0500, 100.0000, 108.9000



74.7045, 78.0791, 84.5334



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



75.5367, 79.7456, 84.8112



94.2370, 99.6745, 104.6326



75.0553, 79.4975, 84.7887



16.0893, 17.0122, 17.8981



34.4381, 41.5350, 6.2020



2.5455, 3.0696, 0.4583



# Inverse Universe

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



74.1652, 77.7525, 86.7042



91.5956, 95.8359, 108.2783



74.6425, 77.9985, 86.7266



15.6652, 16.3959, 18.4834



8.0893, 3.2361, 42.5814

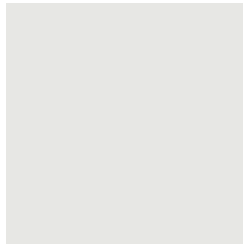


0.5984, 0.2395, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 75.5345, 79.7422, 84.8095 looks on a white background.

## Color Contrast Check

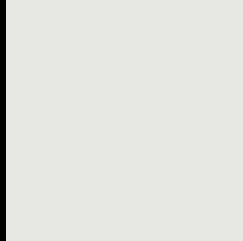
Large Text (above 18pt) WCAG AA × Fail

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 75.5345, 79.7422, 84.8095 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

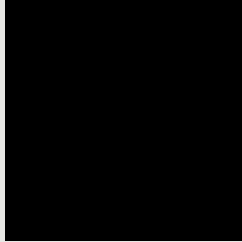
Any Text WCAG AAA ✓ Pass

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

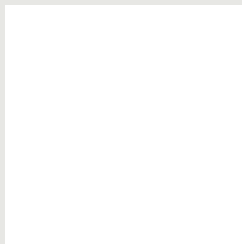


**XYZ 75.5345, 79.7422, 84.8095**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5345, 79.7422, 84.8095.



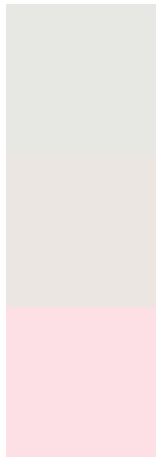
This preview shows how white text looks on a background with the XYZ color 75.5345, 79.7422,

84.8095.

# 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

75.5345, 79.7422, 84.8095

### Protanopia

76.7540, 79.9725, 84.0639

### Deuteranopia

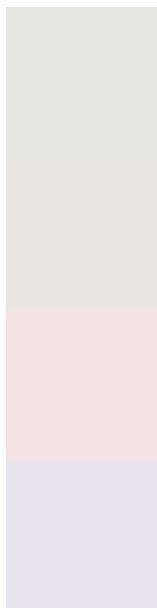
81.1786, 79.3712, 85.9045



## Tritanopia

78.3096, 79.6331, 98.4321

# Trichromacy



## Original Color

75.5345, 79.7422, 84.8095

## Protanomaly

76.0936, 79.6321, 84.0330

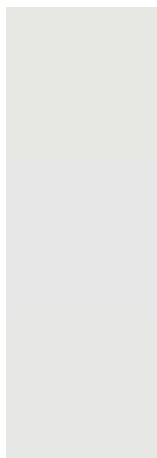
## Deuteranomaly

78.9954, 79.4623, 85.3030

## Tritanomaly

77.2036, 79.5943, 92.9555

# Monochromacy



## Original Color

75.5345, 79.7422, 84.8095

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.8138, 79.8539, 86.2804

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5345, 79.7422, 84.8095 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(231, 231, 228) looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 228)  
}
```

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(231, 231, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5345, 79.7422, 84.8095 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(231, 231, 228) }
```

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

```
.border{ border-color:rgb(231, 231, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
228) }
```



# Background

The CSS property to change the background color of an element to XYZ 75.5345, 79.7422, 84.8095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 228) }
```

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

```
.background{ background-color: rgb(231,  
231, 228) }
```

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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