

# Converting Colors

XYZ(72.0298, 75.2047, 79.6649)

Have a look what the booklet for  
XYZ(72.0298, 75.2047, 79.6649)  
contains.

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# Color

**XYZ(72.1536, 75.2432,  
79.8277)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5E0DE
RGB	229, 224, 222
RGB Percent	90%, 88%, 87%
CMY	0.1020, 0.1215, 0.1294
CMYK	0.00, 0.02, 0.03, 0.10
HSL	17°, 12%, 88%
HSV	17°, 3%, 90%
XYZ	72.1536, 75.2432, 79.8277
YIQ	225.2670, 3.6220, 0.4380

# Conversions

## Conversions Part 2

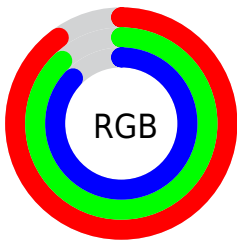
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 225, 222
Decimal	15065310
CIE <sub>Lab</sub>	89.51, 1.35, 1.57
CIE <sub>LCh</sub>	90, 2.066, 49.329
Yxy	75.2432, 0.3175, 0.3311
Android (android.graphics.Color)	4293255390 (0xFFE5E0DE)
YUV	225.2670, -1.6106, 3.2738
Hunter-Lab	86.7428, -3.3218, 6.1566

# Details

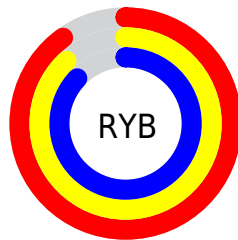
The XYZ color **72.1536, 75.2432, 79.8277** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7362, 76.1241, 85.0424**, and the grayscale version is **71.7713, 75.5089, 82.2292**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6186, 40.1646, 42.2763** is the 20% darker color. If you saturate the color by 10%, you get **65.1073, 65.7328, 63.3507**, and if you desaturate by 10%, it is **80.0433, 85.7715, 98.6444**.

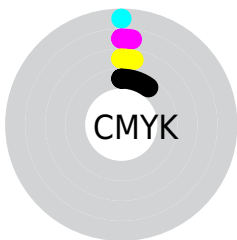
# Distribution



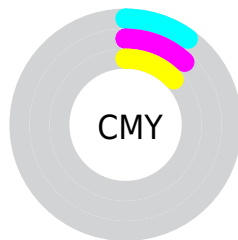
- Red (90%)
- Green (88%)
- Blue (87%)



- Red (90%)
- Yellow (88%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (10%)



- Cyan (10%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1536, 75.2432, 79.8277 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 72.1536, 75.2432, 79.8277 by changing the saturation by 10% instead.



■ 72.1536, 75.2432,  
79.8277

■ 72.1536, 75.2432,  
79.8277

457.2254,  
478.7531, 514.0434

■ 53.5701, 55.8122,  
59.0512

121.2845,  
126.6566, 134.9327

■ 38.4873, 40.0523,  
42.2341

152.5626,  
159.4077, 170.0983

■ 26.5401, 27.5794,  
28.9577

188.8029,  
197.3676, 210.8973

■ 17.3629, 18.0088,  
18.8035

230.3708,  
240.9207, 257.7484

■ 10.5905, 10.9563,  
11.3530

277.6317,  
290.4514, 311.0700

■ 5.8574, 6.0375,  
6.1877

330.9508,

■ 2.7984, 2.8679,

346.3441, 371.2807

2.8889

390.6936,  
408.9832, 438.7990

■ 1.0481, 1.0631,  
1.0382

■ 0.0000, 0.0000,  
0.0000

■ 72.1536, 75.2432,  
79.8277

■ 72.1536, 75.2432,  
79.8277

■ 65.1073, 65.7328,  
63.3507

■ 80.0433, 85.7715,  
98.6444

■ 58.8697, 57.2002,  
49.1167

■ 86.1236, 95.3983,  
108.4823

■ 53.4125, 49.6166,  
37.0293

■ 48.7037, 42.9484,  
26.9834

■ 44.7087, 37.1600,  
18.8646

■ 41.3901, 32.2131,  
12.5476

■ 38.7068, 28.0665,  
7.8918

■ 36.6125, 24.6753,  
4.7353

■ 35.0533, 21.9893,  
2.8831

# Harmonies

## Analogous

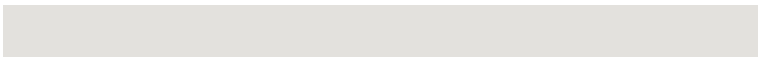
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4402, 75.2432, 81.0064



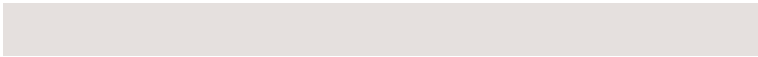
72.1536, 75.2432, 79.8277



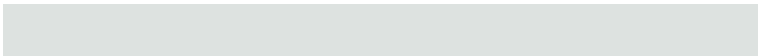
71.6971, 75.2432, 79.2140

# Triad

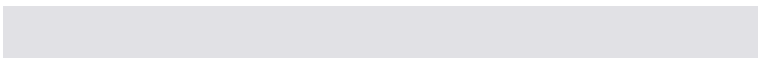
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1536, 75.2432, 79.8277



70.5627, 75.2432, 81.4112



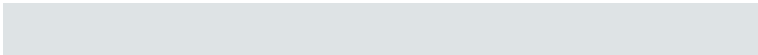
71.8396, 75.2432, 84.5899

# Complementary

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



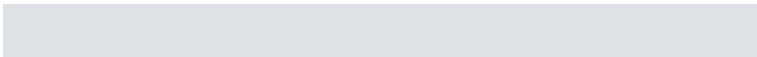
72.1536, 75.2432, 79.8277



71.7362, 76.1241, 85.0424

# 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.



71.3361, 75.2432, 84.7014



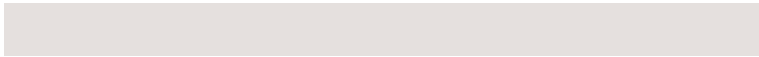
72.1536, 75.2432, 79.8277



70.6005, 75.2432, 82.8546

# Square

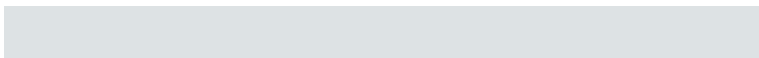
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1536, 75.2432, 79.8277



70.7796, 75.2432, 80.1210



70.8830, 75.2432, 84.0629



72.2583, 75.2432, 83.7600



# Rectangle

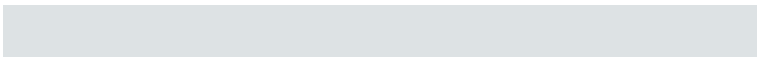
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



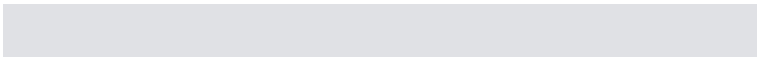
72.1536, 75.2432, 79.8277



71.3585, 75.2432, 79.2029



70.8830, 75.2432, 84.0629



71.6746, 75.2432, 84.7130

# Sweetspot

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



72.1557, 75.2465, 79.8293



94.0642, 98.6811, 106.5594



72.3029, 74.4487, 83.2455



20.1440, 21.1357, 22.8328



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

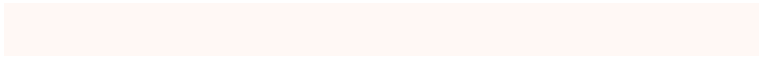


# Same Dimension

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



72.1557, 75.2465, 79.8293



91.1722, 94.8030, 99.7197



73.1005, 77.1361, 80.1443



15.4452, 16.0260, 16.7508



19.6631, 11.9003, 1.2606

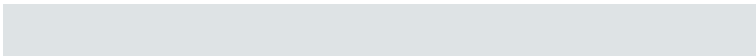


1.5305, 1.0342, 0.1190



# Inverse Universe

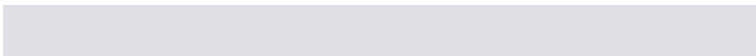
The Inverse Universe completely reimagines the original color for something new.



71.7362, 76.1241, 85.0424



90.4721, 96.2677, 108.4209



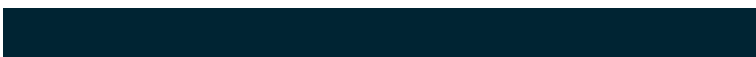
70.7941, 74.2398, 84.7284



15.3055, 16.3183, 18.4874



15.7279, 18.5178, 45.1285

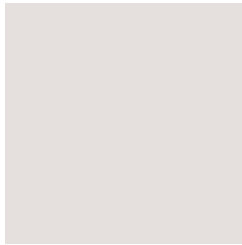


1.2406, 1.5252, 3.3610



# Previews

## White Background



This preview shows how the XYZ color 72.1536, 75.2432, 79.8277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

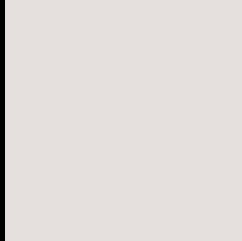
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1536, 75.2432, 79.8277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

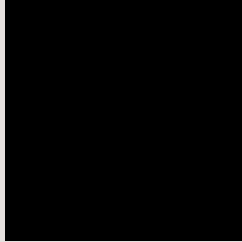
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

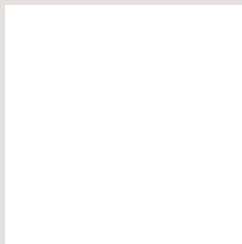
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1536, 75.2432, 79.8277**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1536, 75.2432, 79.8277.



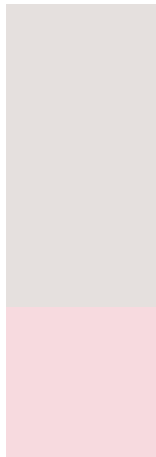
This preview shows how white text looks on a background with the XYZ color 72.1536, 75.2432,



# 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

72.1536, 75.2432, 79.8277

### Protanopia

72.1536, 75.2432, 79.8277

### Deuteranopia

76.7485, 75.2447, 80.2906



## Tritanopia

74.7152, 75.1007, 92.2193

# Trichromacy



## Original Color

72.1536, 75.2432, 79.8277

## Protanomaly

72.1536, 75.2432, 79.8277

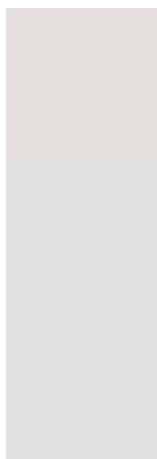
## Deuteranomaly

74.8477, 75.0394, 80.3512

## Tritanomaly

73.7843, 75.1147, 87.7005

# Monochromacy



## Original Color

72.1536, 75.2432, 79.8277

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.7438, 75.4010, 81.2936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1536, 75.2432, 79.8277 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(229, 224, 222) looks like.

```
.text, #text, p{  
    color:rgb(229, 224, 222)  
}
```

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(229, 224, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 224, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1536, 75.2432, 79.8277 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(229, 224, 222) }
```



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

```
.border{ border-color:rgb(229, 224, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 224, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 224, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 224, 222);  
box-shadow:4px 4px 4px 4px rgb(229, 224,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1536, 75.2432, 79.8277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 224, 222) }
```

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

```
.background{ background-color: rgb(229,  
224, 222) }
```

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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