

# Converting Colors

XYZ(72.0639, 76.0122, 80.3247)

Have a look what the booklet for  
XYZ(72.0639, 76.0122, 80.3247)  
contains.

<b>XYZ(72.0597, 75.9975, 79.9783)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(72.0597, 75.9975,  
79.9783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E2DE
RGB	227, 226, 222
RGB Percent	89%, 89%, 87%
CMY	0.1098, 0.1137, 0.1294
CMYK	0.00, 0.00, 0.02, 0.11
HSL	48°, 8%, 88%
HSV	48°, 2%, 89%
XYZ	72.0597, 75.9975, 79.9783
YIQ	225.8430, 1.8800, -1.0320

# Conversions

## Conversions Part 2

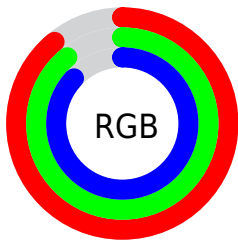
Format	Color
<b>R<sub>YB</sub></b>	223, 227, 222
Decimal	14934750
CIE Lab	89.86, -0.37, 2.06
CIE LCh	90, 2.092, 100.074
Yxy	75.9975, 0.3160, 0.3333
Android (android.graphics.Color)	4293124830 (0xFFE3E2DE)
YUV	225.8430, -1.8946, 1.0147
Hunter-Lab	87.1765, -5.0117, 6.6292

# Details

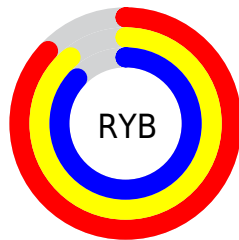
The XYZ color **72.0597, 75.9975, 79.9783** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3770, 73.8500, 83.2192**, and the grayscale version is **72.1894, 75.9489, 82.7083**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5512, 40.6865, 42.3806** is the 20% darker color. If you saturate the color by 10%, you get **68.0072, 72.4373, 64.6140**, and if you desaturate by 10%, it is **76.5586, 79.7930, 97.5142**.

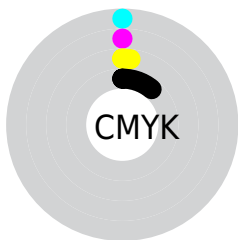
# Distribution



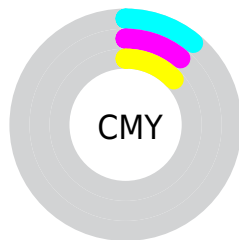
- Red (89%)
- Green (89%)
- Blue (87%)



- Red (87%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0597, 75.9975, 79.9783 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 72.0597, 75.9975, 79.9783 by changing the saturation by 10% instead.



■ 72.0597, 75.9975,  
79.9783

■ 72.0597, 75.9975,  
79.9783

456.9038,  
481.3391, 514.5645

■ 53.4931, 56.4305,  
59.1744

121.1517,  
127.7234, 135.1463

■ 38.4256, 40.5482,  
42.3326

152.4079,  
160.6510, 170.3476

■ 26.4919, 27.9662,  
29.0343

188.6246,  
198.8009, 211.1851

■ 17.3266, 18.3002,  
18.8610

230.1672,  
242.5576, 258.0773

■ 10.5644, 11.1657,  
11.3941

277.4010,  
292.3053, 311.4428

■ 5.8398, 6.1784,  
6.2151

330.6915,

■ 2.7877, 2.9539,

348.4286, 371.7002

2.9054

390.4040,  
411.3117, 439.2679

■ 1.0425, 1.1077,  
1.0465

■ 0.0000, 0.0000,  
0.0000

■ 72.0597, 75.9975,  
79.9783

■ 72.0597, 75.9975,  
79.9783

■ 68.0072, 72.4373,  
64.6140

■ 76.5586, 79.7930,  
97.5142

■ 64.3781, 69.0956,  
51.3307

■ 79.4513, 82.9958,  
106.4400

■ 61.1572, 65.9683,  
40.0386

■ 80.7628, 85.6188,  
106.8772

■ 58.3253, 63.0472,  
30.6395

■ 82.1075, 88.3081,  
107.3254

■ 55.8622, 60.3240,  
23.0270

■ 83.4855, 91.0642,  
107.7847

■ 53.7453, 57.7891,  
17.0838

■ 84.8972, 93.8875,  
108.2553

■ 51.9495, 55.4321,  
12.6788

■ 85.4890, 95.0711,  
108.4526

■ 50.4458, 53.2410,  
9.6611

■ 49.1995, 51.2014,  
7.8493

# Harmonies

## Analogous

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



72.5725, 75.9975, 80.1020



72.0597, 75.9975, 79.9783



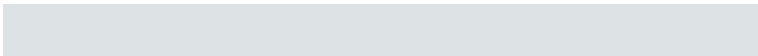
71.5956, 75.9975, 80.5900

# Triad

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



72.0597, 75.9975, 79.9783



71.4757, 75.9975, 84.5937



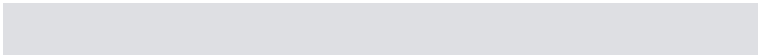
73.1714, 75.9975, 83.7219

# Complementary

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



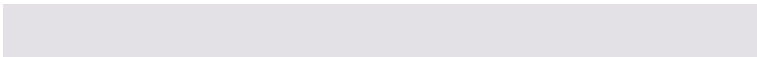
72.0597, 75.9975, 79.9783



70.3770, 73.8500, 83.2192

# Split Complementary

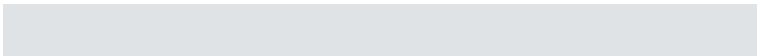
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8748, 75.9975, 84.9449



72.0597, 75.9975, 79.9783



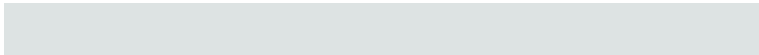
71.8953, 75.9975, 85.4524

# Square

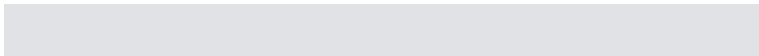
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



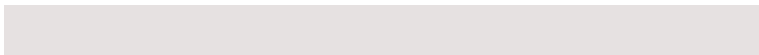
72.0597, 75.9975, 79.9783



71.2595, 75.9975, 83.2471



72.4073, 75.9975, 85.5816



73.2160, 75.9975, 82.2517



# Rectangle

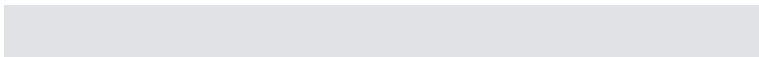
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0597, 75.9975, 79.9783



71.3757, 75.9975, 81.3369



72.4073, 75.9975, 85.5816



73.0978, 75.9975, 84.1760

# Sweetspot

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



72.0618, 76.0008, 79.9800



94.4803, 99.5132, 106.6981



71.1202, 73.9023, 80.3293



20.2287, 21.3051, 22.8610



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

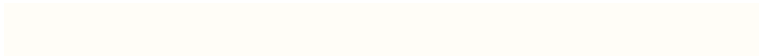


# Same Dimension

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



72.0618, 76.0008, 79.9800



93.3584, 98.5486, 102.3804



71.8624, 76.3012, 80.0484



15.8594, 16.7548, 17.1957



28.2891, 29.1523, 4.1360

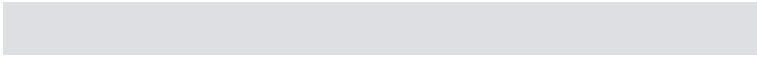


2.1527, 2.2787, 0.3264

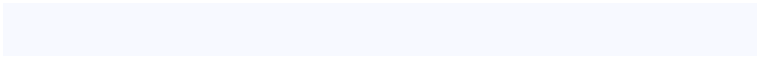


# Inverse Universe

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



70.3770, 73.8500, 83.2192



90.3680, 94.7312, 108.1298



70.5732, 73.5573, 83.1524



15.2230, 15.9424, 18.4192



8.7037, 4.4695, 42.7871

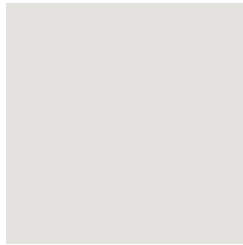


0.7078, 0.4595, 3.1834



# Previews

## White Background



This preview shows how the XYZ color 72.0597, 75.9975, 79.9783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

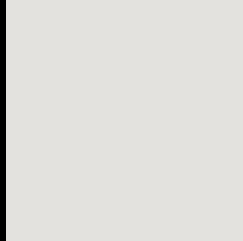
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0597, 75.9975, 79.9783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

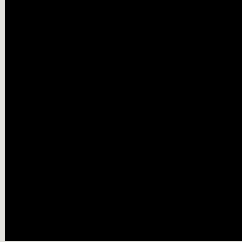
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

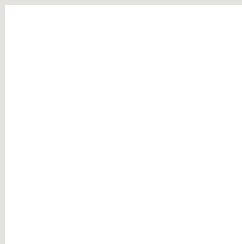
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0597, 75.9975, 79.9783**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0597, 75.9975, 79.9783.



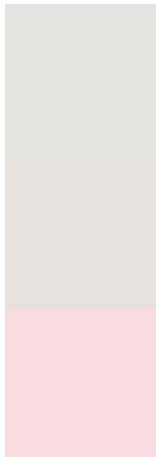
This preview shows how white text looks on a background with the XYZ color 72.0597, 75.9975,



# 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

72.0597, 75.9975, 79.9783

### Protanopia

72.9314, 76.0598, 79.2437

### Deuteranopia

77.3622, 75.9472, 80.3939



## Tritanopia

74.8980, 75.9492, 93.9312

# Trichromacy



## Original Color

72.0597, 75.9975, 79.9783

## Protanomaly

72.6095, 75.8939, 79.2287

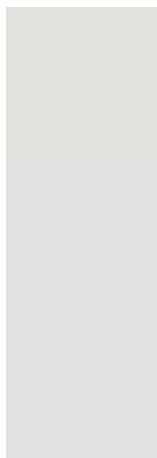
## Deuteranomaly

75.3757, 76.0955, 80.5272

## Tritanomaly

73.8200, 75.9098, 88.6032

# Monochromacy



## Original Color

72.0597, 75.9975, 79.9783

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.1510, 75.9977, 82.1004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0597, 75.9975, 79.9783 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(227, 226, 222) looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 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(227, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0597, 75.9975, 79.9783 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(227, 226, 222) }
```



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

```
.border{ border-color:rgb(227, 226, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(227, 226,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0597, 75.9975, 79.9783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 222) }
```

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

```
.background{ background-color: rgb(227,  
226, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor