

# Converting Colors

XYZ(72.3147, 79.1362, 81.0876)

Have a look what the booklet for  
XYZ(72.3147, 79.1362, 81.0876)  
contains.

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# Color

**XYZ(72.2770, 78.9777,  
81.2469)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDE9DF
RGB	221, 233, 223
RGB Percent	87%, 91%, 87%
CMY	0.1333, 0.0863, 0.1255
CMYK	0.05, 0.00, 0.04, 0.09
HSL	130°, 21%, 89%
HSV	130°, 5%, 91%
XYZ	72.2770, 78.9777, 81.2469
YIQ	228.2720, -3.9420, -5.6540

# Conversions

## Conversions Part 2

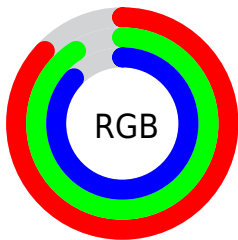
Format	Color
R <sub>Y</sub> B	221, 231, 233
Decimal	14543327
CIE Lab	91.22, -5.80, 3.47
CIE LCh	91, 6.753, 149.122
Yxy	78.9777, 0.3109, 0.3397
Android (android.graphics.Color)	4292733407 (0xFFDDE9DF)
YUV	228.2720, -2.5991, -6.3775
Hunter-Lab	88.8694, -10.3484, 8.0040

# Details

The XYZ color **72.2770, 78.9777, 81.2469** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.8874, 74.8081, 86.1502**, and the grayscale version is **73.9643, 77.8162, 84.7418**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5159, 42.3784, 43.1956** is the 20% darker color. If you saturate the color by 10%, you get **63.1996, 74.5857, 67.9309**, and if you desaturate by 10%, it is **82.6437, 84.0041, 96.1939**.

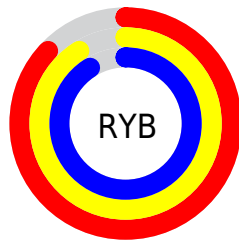
# Distribution



Red (87%)

Green (91%)

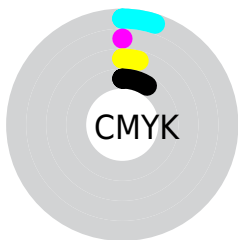
Blue (87%)



Red (87%)

Yellow (91%)

Blue (91%)

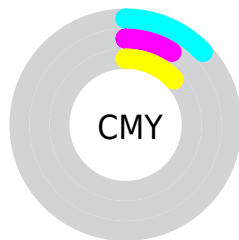


Cyan (5%)

Magenta (0%)

Yellow (4%)

Black (9%)



Cyan (13%)

Magenta (9%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2770, 78.9777, 81.2469 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 72.2770, 78.9777, 81.2469 by changing the saturation by 10% instead.



■ 72.2770, 78.9777,  
81.2469

■ 72.2770, 78.9777,  
81.2469

457.6478,  
491.4809, 518.9423

■ 53.6713, 58.8775,  
60.2128

121.4589,  
131.9275, 136.9446

■ 38.5685, 42.5145,  
43.1637

152.7659,  
165.5458, 172.4452

■ 26.6034, 29.5044,  
29.6813

189.0372,  
204.4390, 213.6051

■ 17.4107, 19.4627,  
19.3468

230.6383,  
248.9913, 260.8428

■ 10.6248, 12.0051,  
11.7418

277.9346,  
299.5873, 314.5768

■ 5.8806, 6.7471,  
6.4477

331.2914,

■ 2.8126, 3.3045,

356.6113, 375.2257

3.0460

391.0740,  
420.4477, 443.2080

■ 1.0554, 1.2927,  
1.1182

■ 0.0000, 0.1355,  
0.0000

■ 72.2770, 78.9777,  
81.2469

■ 72.2770, 78.9777,  
81.2469

■ 63.1996, 74.5857,  
67.9309

■ 82.6437, 84.0041,  
96.1939

■ 55.3545, 70.7933,  
56.1857

■ 88.4304, 86.7609,  
106.6935

■ 48.6901, 67.5772,  
45.9547

■ 43.1487, 64.9091,  
37.1763

■ 38.6677, 62.7580,  
29.7845

■ 35.1781, 61.0899,  
23.7083

■ 32.6029, 59.8667,  
18.8703

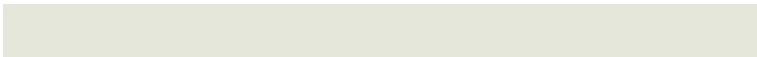
■ 30.8530, 59.0444,  
15.1850

■ 29.8209, 58.5695,  
12.5557

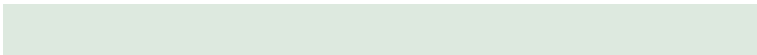
# Harmonies

## Analogous

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



73.4758, 78.9777, 78.0205



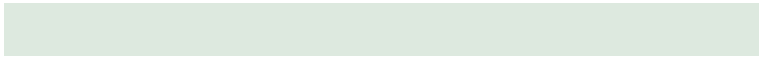
72.2770, 78.9777, 81.2469



71.8236, 78.9777, 85.8490

# Triad

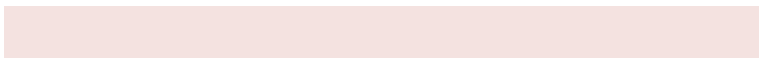
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2770, 78.9777, 81.2469



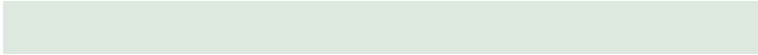
75.0155, 78.9777, 95.7646



77.9774, 78.9777, 81.4879

# Complementary

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



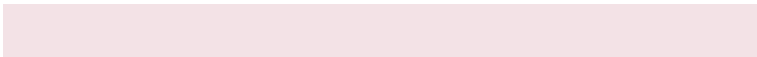
72.2770, 78.9777, 81.2469



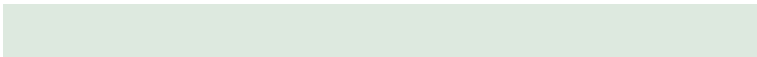
73.8874, 74.8081, 86.1502

# 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.



78.4045, 78.9777, 86.1377



72.2770, 78.9777, 81.2469



76.6788, 78.9777, 94.4915

# Square

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



72.2770, 78.9777, 81.2469



73.3898, 78.9777, 94.3378



77.9257, 78.9777, 90.9210



76.7674, 78.9777, 78.1559

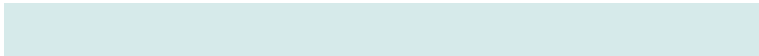


# Rectangle

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



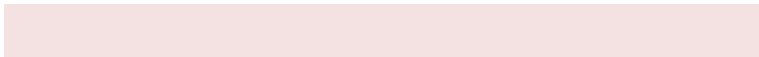
72.2770, 78.9777, 81.2469



71.9996, 78.9777, 89.1175



77.9257, 78.9777, 90.9210



78.2181, 78.9777, 82.9429

# Sweetspot

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



72.2792, 78.9811, 81.2486



92.5217, 98.7748, 105.2492



75.2129, 80.5244, 79.9863



19.8299, 21.1547, 22.5660



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.



72.2792, 78.9811, 81.2486



87.6579, 96.4186, 98.1916



73.0752, 79.2995, 85.4402



15.5534, 17.1852, 17.3800



16.7706, 33.1627, 6.7568



1.3472, 2.6162, 0.6902



# Inverse Universe

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



73.8874, 74.8081, 86.1502



89.9540, 90.4606, 105.1898



73.0812, 74.4856, 81.9047



16.0031, 16.0184, 18.7506



24.6440, 12.0603, 30.2565

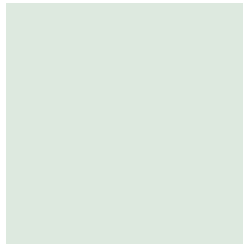


1.9638, 0.9585, 2.5266



# Previews

## White Background



This preview shows how the XYZ color 72.2770, 78.9777, 81.2469 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

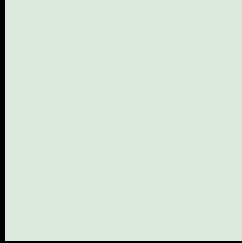
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2770, 78.9777, 81.2469 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

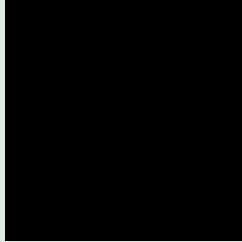
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

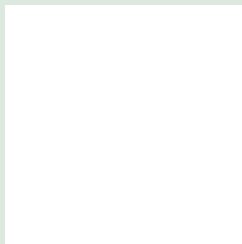
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2770, 78.9777, 81.2469**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2770, 78.9777, 81.2469.



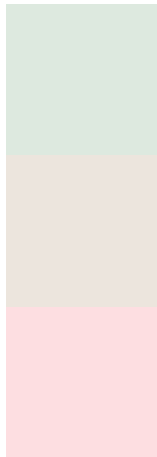
This preview shows how white text looks on a background with the XYZ color 72.2770, 78.9777,



# 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

72.2770, 78.9777, 81.2469

### Protanopia

75.6625, 79.0919, 79.6850

### Deuteranopia

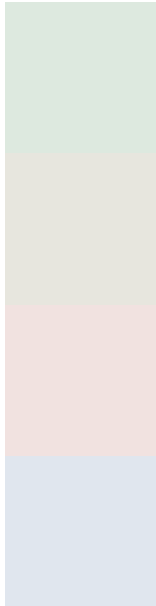
80.2199, 78.5614, 82.1700



## Tritanopia

75.8591, 78.7616, 99.2000

# Trichromacy



## Original Color

72.2770, 78.9777, 81.2469

## Protanomaly

74.4366, 78.8565, 80.4048

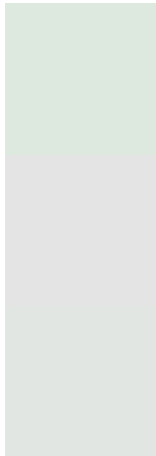
## Deuteranomaly

76.9265, 78.4753, 81.6138

## Tritanomaly

74.4699, 78.6140, 92.1379

# Monochromacy



## Original Color

72.2770, 78.9777, 81.2469

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.0756, 78.0922, 83.1733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2770, 78.9777, 81.2469 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(221, 233, 223) looks like.

```
.text, #text, p{  
    color:rgb(221, 233, 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(221, 233, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 233, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2770, 78.9777, 81.2469 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(221, 233, 223) }
```



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

```
.border{ border-color:rgb(221, 233, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 233, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 233, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 233, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 233,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2770, 78.9777, 81.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 233, 223) }
```

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

```
.background{ background-color: rgb(221,  
233, 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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