

# Converting Colors

XYZ(70.0266, 75.5989, 79.9756)

Have a look what the booklet for  
XYZ(70.0266, 75.5989, 79.9756)  
contains.

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# **Color**

**XYZ(70.1416, 75.8208,  
80.0453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE4DE
RGB	219, 228, 222
RGB Percent	86%, 89%, 87%
CMY	0.1412, 0.1059, 0.1294
CMYK	0.04, 0.00, 0.03, 0.11
HSL	140°, 14%, 88%
HSV	140°, 4%, 89%
XYZ	70.1416, 75.8208, 80.0453
YIQ	224.6250, -3.4380, -3.7740

# Conversions

## Conversions Part 2

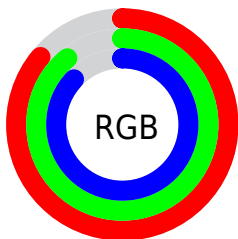
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 226, 228
Decimal	14410974
CIE Lab	89.78, -4.09, 1.87
CIE LCh	90, 4.500, 155.474
Yxy	75.8208, 0.3104, 0.3355
Android (android.graphics.Color)	4292601054 (0xFFDBE4DE)
YUV	224.6250, -1.2941, -4.9331
Hunter-Lab	87.0751, -8.5945, 6.4493

# Details

The XYZ color **70.1416, 75.8208, 80.0453** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9198, 72.5951, 81.5121**, and the grayscale version is **71.3114, 75.0252, 81.7024**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2285, 40.5697, 42.4278** is the 20% darker color. If you saturate the color by 10%, you get **61.8000, 71.7476, 69.4941**, and if you desaturate by 10%, it is **79.6108, 80.4583, 91.6116**.

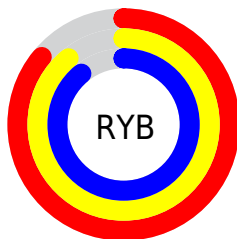
# Distribution



Red (86%)

Green (89%)

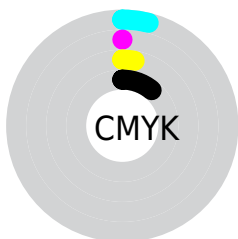
Blue (87%)



Red (86%)

Yellow (89%)

Blue (89%)

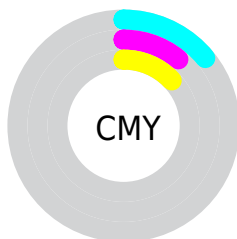


Cyan (4%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (14%)

Magenta (11%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1416, 75.8208, 80.0453 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 70.1416, 75.8208, 80.0453 by changing the saturation by 10% instead.



■ 70.1416, 75.8208,  
80.0453

■ 70.1416, 75.8208,  
80.0453

450.3057,  
480.7340, 514.7963

■ 51.9220, 56.2856,  
59.2292

118.4358,  
127.4736, 135.2414

■ 37.1669, 40.4319,  
42.3765

149.2412,  
160.3599, 170.4585

■ 25.5110, 27.8755,  
29.0684

184.9725,  
198.4654, 211.3131

■ 16.5889, 18.2318,  
18.8866

225.9951,  
242.1744, 258.2236

■ 10.0353, 11.1165,  
11.4124

272.6743,  
291.8714, 311.6086

■ 5.4848, 6.1453,  
6.2273

325.3756,

■ 2.5721, 2.9336,

347.9408, 371.8867

2.9127

384.4643,  
410.7668, 439.4764

■ 0.9318, 1.0972,  
1.0503

■ 0.0000, 0.0000,  
0.0000

■ 70.1416, 75.8208,  
80.0453

■ 70.1416, 75.8208,  
80.0453

■ 61.8000, 71.7476,  
69.4941

■ 79.6108, 80.4583,  
91.6116

■ 54.5368, 68.2076,  
59.9258

■ 86.6202, 83.8039,  
104.0447

■ 48.3086, 65.1810,  
51.3136

■ 87.0349, 83.9698,  
106.2283

■ 43.0666, 62.6433,  
43.6278

■ 38.7577, 60.5679,  
36.8370

■ 35.3239, 58.9253,  
30.9082

■ 32.7003, 57.6830,  
25.8062

■ 30.8121, 56.8031,  
21.4931

■ 29.5695, 56.2402,  
17.9280

# Harmonies

## Analogous

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



70.8342, 75.8208, 77.6789



70.1416, 75.8208, 80.0453



69.9622, 75.8208, 83.1403

# Triad

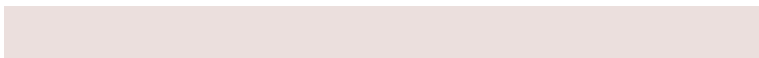
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1416, 75.8208, 80.0453



72.2691, 75.8208, 88.7894



73.8170, 75.8208, 79.0602

# Complementary

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



70.1416, 75.8208, 80.0453



70.9198, 72.5951, 81.5121

# 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.



74.2103, 75.8208, 81.9744



70.1416, 75.8208, 80.0453



73.3108, 75.8208, 87.6330

# Square

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



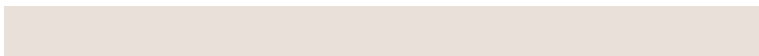
70.1416, 75.8208, 80.0453



71.1833, 75.8208, 88.2411



74.0241, 75.8208, 85.1186



72.9547, 75.8208, 77.1204



# Rectangle

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



70.1416, 75.8208, 80.0453



70.1563, 75.8208, 85.2122



74.0241, 75.8208, 85.1186



74.0088, 75.8208, 79.9555

# Sweetspot

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



70.1437, 75.8240, 80.0470



93.8455, 99.4105, 107.4210



71.6306, 76.6366, 78.0358



20.0995, 21.2842, 23.0081



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.



70.1437, 75.8240, 80.0470



89.1750, 97.1260, 101.6377



70.7349, 76.0605, 83.1599



15.0934, 16.5135, 17.1893



16.8220, 32.3609, 9.5630



1.2850, 2.4081, 0.9272



# Inverse Universe

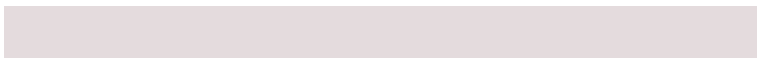
The Inverse Universe completely reimagines the original color for something new.



70.9198, 72.5951, 81.5121



90.4400, 91.8626, 104.0260



70.3333, 72.3605, 78.4238



15.3358, 15.5046, 17.6470



21.8060, 10.8566, 18.4051

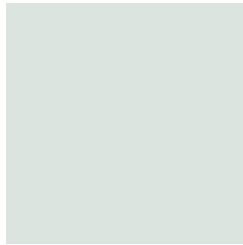


1.6541, 0.8193, 1.5848



# Previews

## White Background



This preview shows how the XYZ color 70.1416, 75.8208, 80.0453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

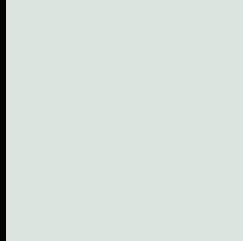
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1416, 75.8208, 80.0453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

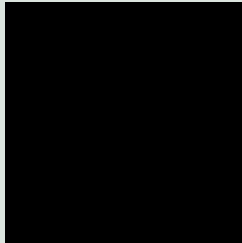
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

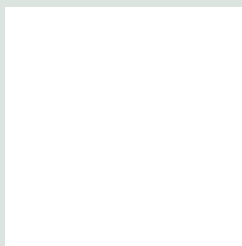
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.1416, 75.8208, 80.0453**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.1416, 75.8208, 80.0453.



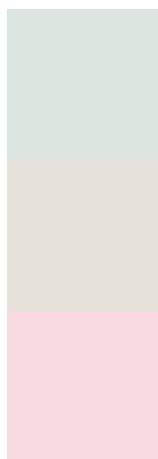
This preview shows how white text looks on a background with the XYZ color 70.1416, 75.8208,



# 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

70.1416, 75.8208, 80.0453

### Protanopia

72.7985, 76.0067, 78.5440

### Deuteranopia

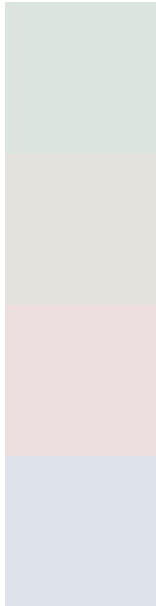
77.2373, 75.4811, 81.0195



## **Tritanopia**

73.2271, 75.8511, 95.5753

# Trichromacy



## Original Color

70.1416, 75.8208, 80.0453

## Protanomaly

71.9261, 75.9441, 79.2744

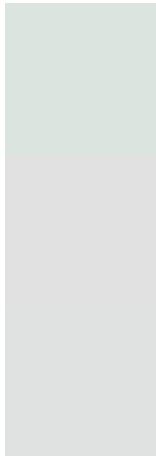
## Deuteranomaly

74.3656, 75.5748, 80.4799

## Tritanomaly

72.0105, 75.7630, 89.4256

# Monochromacy



## Original Color

70.1416, 75.8208, 80.0453

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.0823, 75.4625, 81.3403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1416, 75.8208, 80.0453 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(219, 228, 222) looks like.

```
.text, #text, p{  
    color:rgb(219, 228, 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(219, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 228, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1416, 75.8208, 80.0453 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(219, 228, 222) }
```



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

```
.border{ border-color:rgb(219, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(219, 228,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1416, 75.8208, 80.0453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 228, 222) }
```

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

```
.background{ background-color: rgb(219,  
228, 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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