

Converting Colors

XYZ(68.5601, 72.4840, 78.5983)

Have a look what the booklet for
XYZ(68.5601, 72.4840, 78.5983)
contains.

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Color

**XYZ(68.6876, 72.6787,
78.8148)**

Conversions

Conversions Part 1

Format	Color
Hex	DCDEDD
RGB	220, 222, 221
RGB Percent	86%, 87%, 87%
CMY	0.1372, 0.1294, 0.1333
CMYK	0.01, 0.00, 0.00, 0.13
HSL	150°, 3%, 87%
HSV	150°, 1%, 87%
XYZ	68.6876, 72.6787, 78.8148
YIQ	221.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

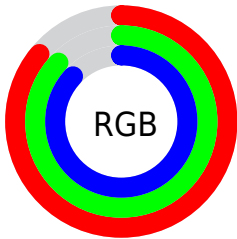
Format	Color
R _Y B	220, 221, 222
Decimal	14474973
CIE Lab	88.29, -0.85, 0.24
CIE LCh	88, 0.884, 164.075
Yxy	72.6787, 0.3120, 0.3301
Android (android.graphics.Color)	4292665053 (0xFFDCDEDD)
YUV	221.2880, -0.1420, -1.1296
Hunter-Lab	85.2518, -5.3727, 4.8630

Details

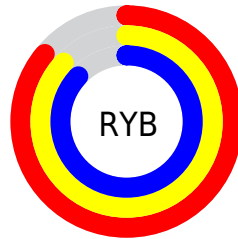
The XYZ color **68.6876, 72.6787, 78.8148** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7712, 71.9382, 78.6710**, and the grayscale version is **68.9327, 72.5226, 78.9771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2187, 38.3899, 41.5775** is the 20% darker color. If you saturate the color by 10%, you get **60.9771, 68.8714, 70.9753**, and if you desaturate by 10%, it is **77.3927, 76.9915, 87.2161**.

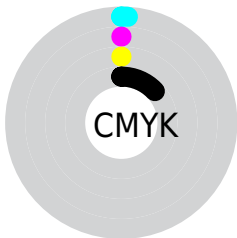
Distribution



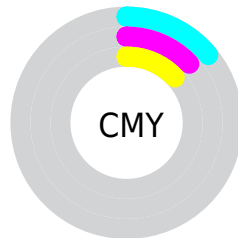
- Red (86%)
- Green (87%)
- Blue (87%)



- Red (86%)
- Yellow (87%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6876, 72.6787, 78.8148 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 68.6876, 72.6787, 78.8148 by changing the saturation by 10% instead.

■ 68.6876, 72.6787,
78.8148

■ 68.6876, 72.6787,
78.8148

445.2670,
469.9005, 510.5306

■ 50.7330, 53.7133,
58.2231

116.3718,
123.0210, 133.4944

■ 36.2164, 38.3725,
41.5722

146.8321,
155.1666, 168.4194

■ 24.7722, 26.2719,
28.4434

182.1918,
192.4745, 208.9593

■ 16.0353, 17.0272,
18.4182

222.8161,
235.3289, 255.5326

■ 9.6401, 10.2539,
11.0781

269.0704,
284.1143, 308.5578

■ 5.2214, 5.5676,
6.0046

321.3201,

■ 2.4139, 2.5840,

339.2151, 368.4536

2.7790

379.9305,
401.0157, 435.6383

■ 0.8520, 0.9186,
0.9829

■ 0.0000, 0.0000,
0.0000

■ 68.6876, 72.6787,
78.8148

■ 68.6876, 72.6787,
78.8148

■ 60.9771, 68.8714,
70.9753

■ 77.3927, 76.9915,
87.2161

■ 54.2181, 65.5415,
63.6813

■ 83.5768, 79.9911,
96.0198

■ 48.3737, 62.6721,
56.9225

■ 85.3099, 80.6843,
105.1464

■ 43.4020, 60.2420,
50.6864

■ 85.4127, 80.7254,
105.6876

■ 39.2575, 58.2279,
44.9600

■ 35.8907, 56.6045,
39.7299

■ 33.2465, 55.3437,
34.9818

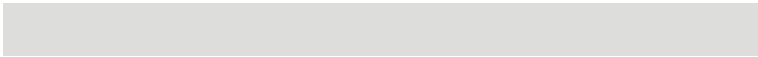
■ 31.2617, 54.4132,
30.7007

■ 29.8618, 53.7748,
26.8705

Harmonies

Analogous

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



68.7957, 72.6787, 78.2988



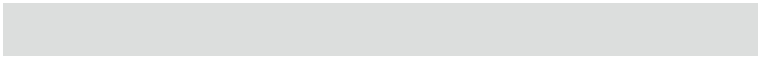
68.6876, 72.6787, 78.8148



68.6842, 72.6787, 79.4191

Triad

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



68.6876, 72.6787, 78.8148



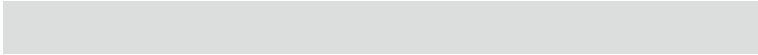
69.1781, 72.6787, 80.2728



69.3723, 72.6787, 78.3253

Complementary

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



68.6876, 72.6787, 78.8148



68.7712, 71.9382, 78.6710

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.



69.4752, 72.6787, 78.8511



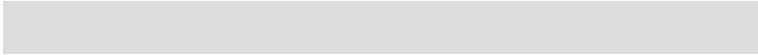
68.6876, 72.6787, 78.8148



69.3629, 72.6787, 79.9766

Square

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



68.6876, 72.6787, 78.8148



68.9671, 72.6787, 80.2629



69.4717, 72.6787, 79.4556



69.1909, 72.6787, 78.0172

Rectangle

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



68.6876, 72.6787, 78.8148



68.7418, 72.6787, 79.7908



69.4717, 72.6787, 79.4556



69.4172, 72.6787, 78.4823

Sweetspot

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



68.6897, 72.6818, 78.8164

95.0500, 100.0000, 108.9000



68.8711, 72.7907, 78.1311



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.



68.6897, 72.6818, 78.8164



93.9131, 99.4376, 107.7770



68.8194, 72.7337, 79.4994



15.2861, 16.1789, 17.5409



17.2696, 31.7327, 14.4085



1.2422, 2.2176, 1.2367

Inverse Universe

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



68.7712, 71.9382, 78.6710



94.0376, 98.3021, 107.5550



68.6423, 71.8867, 77.9919



15.3051, 16.0056, 17.5071



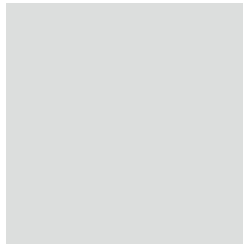
19.6600, 9.9310, 10.1412



1.4079, 0.7064, 0.9410

Previews

White Background



This preview shows how the XYZ color 68.6876, 72.6787, 78.8148 looks on a white background.

Color Contrast Check

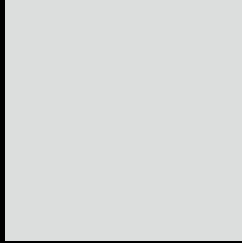
Large Text (above 18pt) WCAG AA × Fail

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 68.6876, 72.6787, 78.8148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

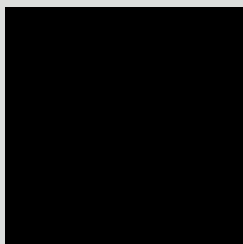
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

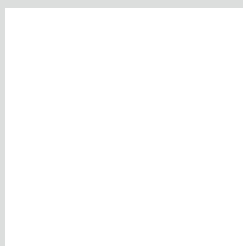
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6876, 72.6787, 78.8148

Background



This preview shows how black text looks on a background with the XYZ color 68.6876, 72.6787, 78.8148.

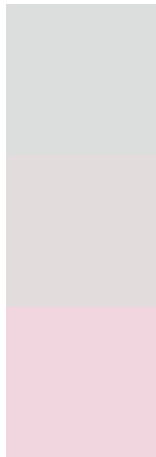


This preview shows how white text looks on a background with the XYZ color 68.6876, 72.6787,

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

68.6876, 72.6787, 78.8148

Protanopia

69.8755, 72.5225, 78.0255

Deuteranopia

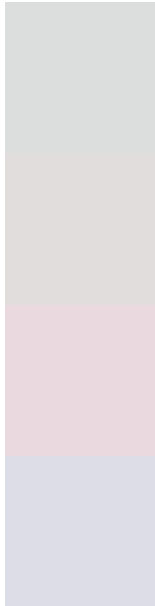
73.9838, 72.2981, 79.8676



Tritanopia

71.0035, 72.8304, 90.4362

Trichromacy



Original Color

68.6876, 72.6787, 78.8148

Protanomaly

69.5152, 72.7275, 78.0841

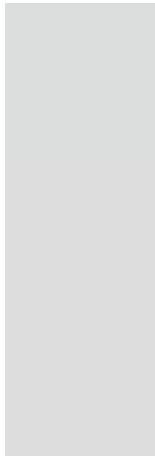
Deuteranomaly

71.9294, 72.3921, 79.2892

Tritanomaly

70.0990, 72.8546, 85.9690

Monochromacy



Original Color

68.6876, 72.6787, 78.8148

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7264, 72.3055, 78.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6876, 72.6787, 78.8148 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(220, 222, 221) looks like.

```
.text, #text, p{  
    color:rgb(220, 222, 221)  
}
```

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(220, 222, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 222, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.6876, 72.6787, 78.8148 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(220, 222, 221) }
```

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

```
.border{ border-color:rgb(220, 222, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 222, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 222, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 222, 221);  
box-shadow:4px 4px 4px 4px rgb(220, 222,  
221) }
```


Background

The CSS property to change the background color of an element to XYZ 68.6876, 72.6787, 78.8148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 222, 221) }
```

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

```
.background{ background-color: rgb(220,  
222, 221) }
```

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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