

Converting Colors

XYZ(68.8528, 72.6412, 76.8915)

Have a look what the booklet for
XYZ(68.8528, 72.6412, 76.8915)
contains.

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Color

**XYZ(68.9004, 72.8341,
76.7566)**

Conversions

Conversions Part 1

Format	Color
Hex	DEDEDA
RGB	222, 222, 218
RGB Percent	87%, 87%, 85%
CMY	0.1294, 0.1294, 0.1451
CMYK	0.00, 0.00, 0.02, 0.13
HSL	60°, 6%, 86%
HSV	60°, 2%, 87%
XYZ	68.9004, 72.8341, 76.7566
YIQ	221.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

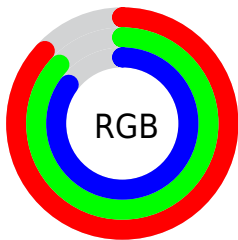
Format	Color
R _Y B	218, 222, 218
Decimal	14606042
CIE Lab	88.37, -0.71, 1.95
CIE LCh	88, 2.072, 109.970
Yxy	72.8341, 0.3153, 0.3334
Android (android.graphics.Color)	4292796122 (0xFFDEDEDA)
YUV	221.5440, -1.7472, 0.3999
Hunter-Lab	85.3429, -5.2406, 6.4152

Details

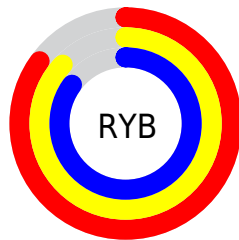
The XYZ color **68.9004, 72.8341, 76.7566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1724, 70.3241, 79.1445**, and the grayscale version is **69.1227, 72.7225, 79.1948**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3659, 38.4973, 40.1644** is the 20% darker color. If you saturate the color by 10%, you get **66.1821, 71.7484, 62.4665**, and if you desaturate by 10%, it is **72.0120, 74.0818, 93.0993**.

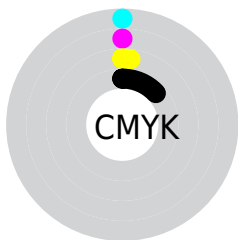
Distribution



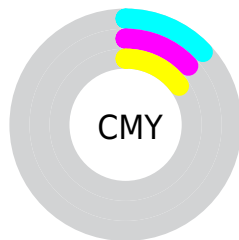
- Red (87%)
- Green (87%)
- Blue (85%)



- Red (85%)
- Yellow (87%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



- Cyan (13%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9004, 72.8341, 76.7566 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 68.9004, 72.8341, 76.7566 by changing the saturation by 10% instead.

■ 68.9004, 72.8341,
76.7566

■ 68.9004, 72.8341,
76.7566

446.0065,
470.4396, 503.3494

■ 50.9069, 53.8403,
56.5428

116.6742,
123.2417, 130.5657

■ 36.3553, 38.4740,
40.2313

147.1852,
155.4242, 164.9981

■ 24.8801, 26.3508,
27.4038

182.5994,
192.7719, 205.0070

■ 16.1160, 17.0863,
17.6416

223.2822,
235.6689, 251.0111

■ 9.6976, 10.2960,
10.5262

269.5990,
284.4999, 303.4288

■ 5.2597, 5.5957,
5.6391

321.9151,

■ 2.4367, 2.6008,

339.6490, 362.6787

2.5617

380.5958,
401.5008, 429.1794

■ 0.8635, 0.9271,
0.8726

■ 0.0000, 0.0000,
0.0000

■ 68.9004, 72.8341,
76.7566

■ 68.9004, 72.8341,
76.7566

■ 66.1821, 71.7484,
62.4665

■ 72.0120, 74.0818,
93.0993

■ 63.8357, 70.8091,
50.1435

■ 74.3101, 75.0018,
105.1680

■ 61.8467, 70.0127,
39.7029

■ 74.3165, 75.0051,
105.1683

■ 60.1976, 69.3523,
31.0520

■ 74.3229, 75.0084,
105.1686

■ 58.8693, 68.8203,
24.0905

■ 74.3293, 75.0116,
105.1689

■ 57.8408, 68.4082,
18.7080

■ 74.3356, 75.0149,
105.1692

■ 57.0887, 68.1066,
14.7809

■ 74.3420, 75.0182,
105.1695

■ 56.5862, 67.9048,
12.1676

■ 74.3484, 75.0215,
105.1698

■ 56.3008, 67.7899,
10.6981

■ 74.3548, 75.0248,
105.1701

Harmonies

Analogous

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



69.3934, 72.8341, 76.6364



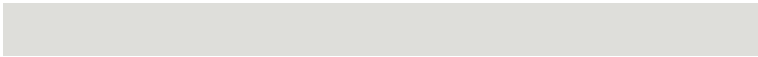
68.9004, 72.8341, 76.7566



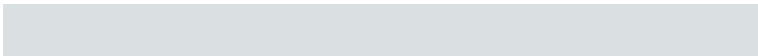
68.4967, 72.8341, 77.5547

Triad

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



68.9004, 72.8341, 76.7566



68.6131, 72.8341, 81.4205



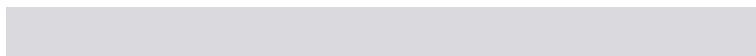
70.1730, 72.8341, 79.7821

Complementary

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



68.9004, 72.8341, 76.7566



67.1724, 70.3241, 79.1445

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.



69.9618, 72.8341, 81.0793



68.9004, 72.8341, 76.7566



69.0601, 72.8341, 82.0327

Square

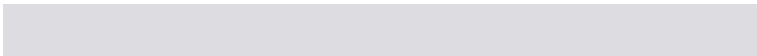
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9004, 72.8341, 76.7566



68.3314, 72.8341, 80.2434



69.5539, 72.8341, 81.9071



70.1297, 72.8341, 78.3719

Rectangle

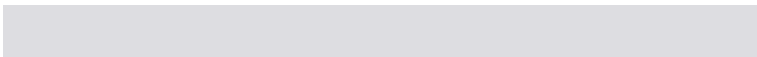
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9004, 72.8341, 76.7566



68.3317, 72.8341, 78.3692



69.5539, 72.8341, 81.9071



70.1293, 72.8341, 80.2461

Sweetspot

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



68.9024, 72.8372, 76.7582



94.6412, 99.8364, 106.7520



67.8527, 70.7361, 76.4079



20.2614, 21.3708, 22.8720



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.



68.9024, 72.8372, 76.7582



94.2379, 99.6749, 104.6326



68.2940, 72.5236, 76.7297



15.3356, 16.2151, 17.0608



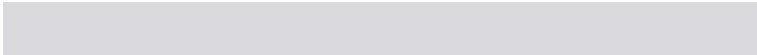
33.3714, 40.2361, 6.0075



2.3135, 2.7892, 0.4164

Inverse Universe

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



67.1724, 70.3241, 79.1445



91.5948, 95.8355, 108.2783



67.7736, 70.6340, 79.1726



14.9322, 15.6290, 17.6174



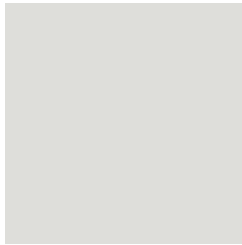
7.8336, 3.1337, 41.2403



0.5434, 0.2174, 2.8586

Previews

White Background



This preview shows how the XYZ color 68.9004, 72.8341, 76.7566 looks on a white background.

Color Contrast Check

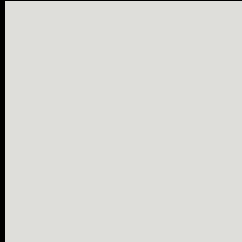
Large Text (above 18pt) WCAG AA × Fail

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 68.9004, 72.8341, 76.7566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

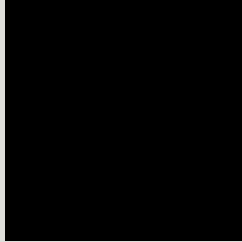
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

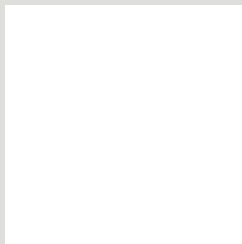
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9004, 72.8341, 76.7566

Background



This preview shows how black text looks on a background with the XYZ color 68.9004, 72.8341, 76.7566.

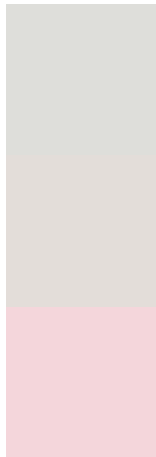


This preview shows how white text looks on a background with the XYZ color 68.9004, 72.8341,

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

68.9004, 72.8341, 76.7566

Protanopia

70.0594, 73.0536, 76.0539

Deuteranopia

74.1410, 72.4407, 77.0926



Tritanopia

71.5232, 72.7267, 89.6249

Trichromacy



Original Color

68.9004, 72.8341, 76.7566

Protanomaly

69.4322, 72.7302, 76.0245

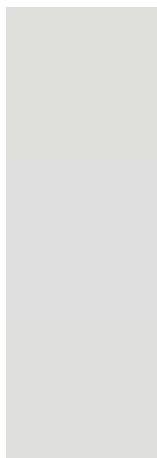
Deuteranomaly

72.1911, 72.5730, 77.2210

Tritanomaly

70.4765, 72.6908, 84.4450

Monochromacy



Original Color

68.9004, 72.8341, 76.7566

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.2966, 72.9926, 78.8433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9004, 72.8341, 76.7566 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(222, 222, 218) looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 218)  
}
```

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(222, 222, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 218) }
```

Border

The CSS property to change the border of an element to XYZ 68.9004, 72.8341, 76.7566 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(222, 222, 218) }
```


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

```
.border{ border-color:rgb(222, 222, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 222, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 218);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9004, 72.8341, 76.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 218) }
```

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

```
.background{ background-color: rgb(222,  
222, 218) }
```

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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