

Converting Colors

XYZ(68.8566, 73.2105, 76.7657)

Have a look what the booklet for
XYZ(68.8566, 73.2105, 76.7657)
contains.

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Color

**XYZ(68.8614, 73.2095,
76.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDFDA
RGB	221, 223, 218
RGB Percent	87%, 87%, 85%
CMY	0.1333, 0.1255, 0.1451
CMYK	0.01, 0.00, 0.02, 0.13
HSL	84°, 7%, 86%
HSV	84°, 2%, 87%
XYZ	68.8614, 73.2095, 76.8311
YIQ	221.8320, 0.4130, -1.9790

Conversions

Conversions Part 2

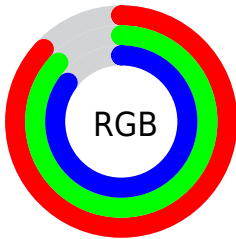
Format	Color
R _Y B	218, 223, 220
Decimal	14540762
CIE Lab	88.55, -1.56, 2.20
CIE LCh	89, 2.698, 125.426
Yxy	73.2095, 0.3146, 0.3344
Android (android.graphics.Color)	4292730842 (0xFFDDDFDA)
YUV	221.8320, -1.8892, -0.7297
Hunter-Lab	85.5626, -6.0763, 6.6542

Details

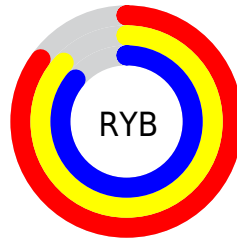
The XYZ color **68.8614, 73.2095, 76.8311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9087, 70.6881, 79.8808**, and the grayscale version is **69.3271, 72.9375, 79.4290**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3394, 38.7566, 40.2158** is the 20% darker color. If you saturate the color by 10%, you get **63.4907, 70.7577, 62.3576**, and if you desaturate by 10%, it is **74.7736, 75.8992, 93.3826**.

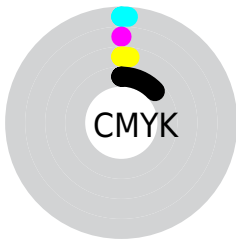
Distribution



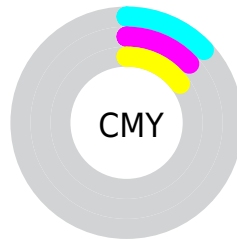
- Red (87%)
- Green (87%)
- Blue (85%)



- Red (85%)
- Yellow (87%)
- Blue (86%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8614, 73.2095, 76.8311 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 68.8614, 73.2095, 76.8311 by changing the saturation by 10% instead.

■ 68.8614, 73.2095,
76.8311

■ 68.8614, 73.2095,
76.8311

445.8710,
471.7406, 503.6103

■ 50.8751, 54.1473,
56.6035

116.6187,
123.7746, 130.6719

■ 36.3298, 38.7194,
40.2798

147.1205,
156.0462, 165.1221

■ 24.8603, 26.5415,
27.4413

182.5247,
193.4898, 205.1504

■ 16.1012, 17.2292,
17.6696

223.1968,
236.4897, 251.1752

■ 9.6871, 10.3980,
10.5460

269.5021,
285.4304, 303.6150

■ 5.2527, 5.6637,
5.6522

321.8060,

■ 2.4325, 2.6417,

340.6961, 362.8885

2.5694

380.4739,
402.6714, 429.4141

■ 0.8614, 0.9477,
0.8766

■ 0.0000, 0.0000,
0.0000

■ 68.8614, 73.2095,
76.8311

■ 68.8614, 73.2095,
76.8311

■ 63.4907, 70.7577,
62.3576

■ 74.7736, 75.8992,
93.3826

■ 58.6376, 68.5271,
49.8752

■ 79.9894, 78.3251,
105.5101

■ 54.2851, 66.5129,
39.2979

■ 83.0773, 79.9170,
105.6546

■ 50.4132, 64.7069,
30.5317

■ 85.6791, 81.2582,
105.7764

■ 47.0000, 63.1000,
23.4744

■ 44.0218, 61.6825,
18.0140

■ 41.4523, 60.4435,
14.0247

■ 39.2615, 59.3707,
11.3622

■ 37.4136, 58.4496,
9.8526

Harmonies

Analogous

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



69.4653, 73.2095, 76.2018



68.8614, 73.2095, 76.8311



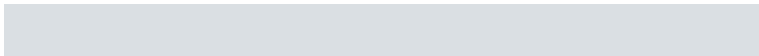
68.4529, 73.2095, 78.2332

Triad

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



68.8614, 73.2095, 76.8311



69.0649, 73.2095, 83.0128



70.8352, 73.2095, 79.3747

Complementary

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



68.8614, 73.2095, 76.8311



67.9087, 70.6881, 79.8808

Split Complementary

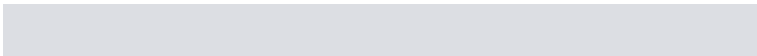
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7264, 73.2095, 81.2107



68.8614, 73.2095, 76.8311



69.7017, 73.2095, 83.3298

Square

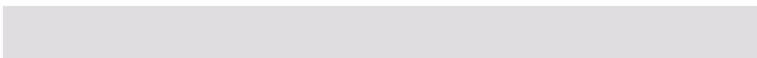
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



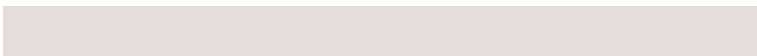
68.8614, 73.2095, 76.8311



68.5698, 73.2095, 81.8058



70.3105, 73.2095, 82.6655



70.6070, 73.2095, 77.6556

Rectangle

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



68.8614, 73.2095, 76.8311



68.3449, 73.2095, 79.4276



70.3105, 73.2095, 82.6655



70.8369, 73.2095, 79.9985

Sweetspot

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



68.8635, 73.2127, 76.8327



94.2674, 99.6437, 106.7345



68.6822, 71.9389, 76.5964



20.1854, 21.3316, 22.8684



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.



68.8635, 73.2127, 76.8327



92.7244, 98.9406, 102.4895



68.1080, 72.8232, 76.7973



14.9884, 16.0500, 16.4151



21.3987, 34.0639, 5.4472



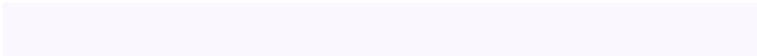
1.5835, 2.4128, 0.3823

Inverse Universe

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



67.9087, 70.6881, 79.8808



90.9906, 94.3563, 108.0246



68.6709, 71.0811, 79.9165



14.6375, 15.1224, 17.5351



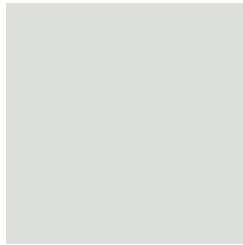
10.3908, 4.4520, 41.3600



0.8193, 0.3597, 2.8715

Previews

White Background



This preview shows how the XYZ color 68.8614, 73.2095, 76.8311 looks on a white background.

Color Contrast Check

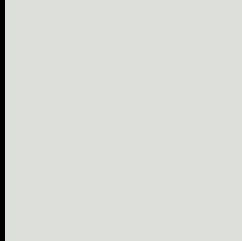
Large Text (above 18pt) WCAG AA × Fail

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 68.8614, 73.2095, 76.8311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

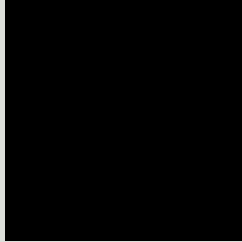
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

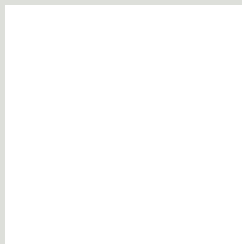
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8614, 73.2095, 76.8311

Background



This preview shows how black text looks on a background with the XYZ color 68.8614, 73.2095, 76.8311.

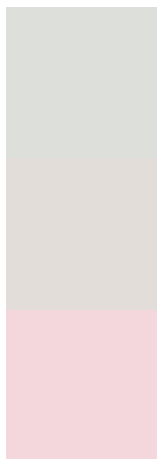


This preview shows how white text looks on a background with the XYZ color 68.8614, 73.2095,

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

68.8614, 73.2095, 76.8311

Protanopia

70.0594, 73.0536, 76.0539

Deuteranopia

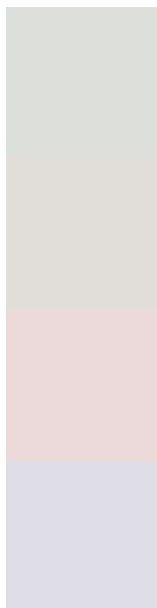
74.5269, 73.0013, 77.8728



Tritanopia

71.6197, 73.1481, 90.4650

Trichromacy



Original Color

68.8614, 73.2095, 76.8311

Protanomaly

69.6970, 73.2599, 76.1128

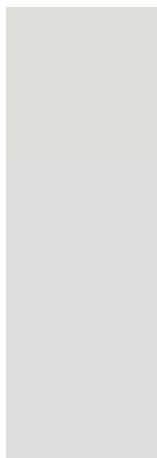
Deuteranomaly

72.4497, 73.0901, 77.3071

Tritanomaly

70.5708, 73.1140, 85.2559

Monochromacy



Original Color

68.8614, 73.2095, 76.8311

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 68.8614, 73.2095, 76.8311 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, 223, 218) looks like.

```
.text, #text, p{  
    color:rgb(221, 223, 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(221, 223, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 223, 218) }
```

Border

The CSS property to change the border of an element to XYZ 68.8614, 73.2095, 76.8311 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, 223, 218) }
```


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

```
.border{ border-color:rgb(221, 223, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 223, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 223, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 223, 218); box-shadow:4px 4px 4px 4px rgb(221, 223, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8614, 73.2095, 76.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 223, 218) }
```

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

```
.background{ background-color: rgb(221,  
223, 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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