

Converting Colors

XYZ(68.7318, 72.0653, 76.7128)

Have a look what the booklet for
XYZ(68.7318, 72.0653, 76.7128)
contains.

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Color

**XYZ(68.6795, 71.9363,
76.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDCDA
RGB	223, 220, 218
RGB Percent	87%, 86%, 85%
CMY	0.1255, 0.1372, 0.1451
CMYK	0.00, 0.01, 0.02, 0.13
HSL	24°, 7%, 86%
HSV	24°, 2%, 87%
XYZ	68.6795, 71.9363, 76.5950
YIQ	220.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

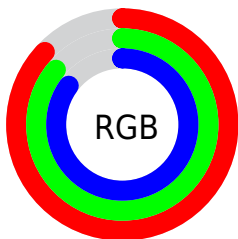
Format	Color
R _Y B	223, 221, 218
Decimal	14671066
CIE Lab	87.94, 0.67, 1.33
CIE LCh	88, 1.488, 63.343
Yxy	71.9363, 0.3162, 0.3312
Android (android.graphics.Color)	4292861146 (0xFFDFDCDA)
YUV	220.6690, -1.3158, 2.0443
Hunter-Lab	84.8153, -3.8856, 5.8271

Details

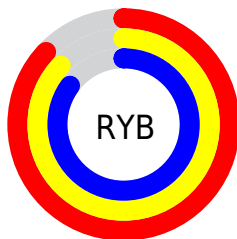
The XYZ color **68.6795, 71.9363, 76.5950** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0892, 71.9451, 80.1111**, and the grayscale version is **68.5046, 72.0722, 78.4866**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2144, 37.8794, 40.0531** is the 20% darker color. If you saturate the color by 10%, you get **62.5879, 64.1126, 61.1228**, and if you desaturate by 10%, it is **75.4482, 80.4841, 94.2317**.

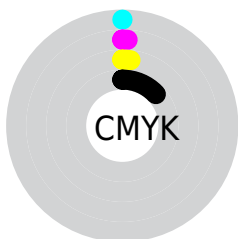
Distribution



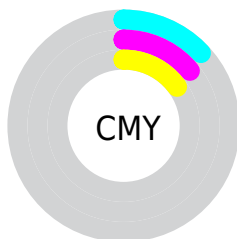
- Red (87%)
- Green (86%)
- Blue (85%)



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



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



- Cyan (13%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6795, 71.9363, 76.5950 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 68.6795, 71.9363, 76.5950 by changing the saturation by 10% instead.

■ 68.6795, 71.9363,
76.5950

■ 68.6795, 71.9363,
76.5950

445.2388,
467.3199, 502.7830

■ 50.7264, 53.1066,
56.4110

116.3603,
121.9660, 130.3354

■ 36.2111, 37.8879,
40.1263

146.8187,
153.9348, 164.7289

■ 24.7681, 25.8957,
27.3225

182.1762,
191.0520, 204.6959

■ 16.0322, 16.7456,
17.5810

222.7983,
233.7022, 250.6549

■ 9.6379, 10.0533,
10.4833

269.0503,
282.2697, 303.0247

■ 5.2200, 5.4343,
5.6108

321.2974,

■ 2.4130, 2.5043,

337.1389, 362.2236

2.5450

379.9052,
398.6941, 428.6702

■ 0.8516, 0.8788,
0.8638

■ 0.0000, 0.0000,
0.0000

■ 68.6795, 71.9363,
76.5950

■ 68.6795, 71.9363,
76.5950

■ 62.5879, 64.1126,
61.1228

■ 75.4482, 80.4841,
94.2317

■ 57.1453, 56.9843,
47.7263

■ 81.6606, 89.2657,
107.5338

■ 52.3302, 50.5344,
36.3173

■ 84.2418, 94.4282,
108.3942

■ 48.1180, 44.7417,
26.7995

■ 44.4818, 39.5838,
19.0686

■ 41.3927, 35.0369,
13.0100

■ 38.8188, 31.0753,
8.4953

■ 36.7244, 27.6713,
5.3775

■ 35.0674, 24.7935,
3.4801

Harmonies

Analogous

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



68.9442, 71.9363, 77.2585



68.6795, 71.9363, 76.5950



68.3336, 71.9363, 76.3941

Triad

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



68.6795, 71.9363, 76.5950



67.6952, 71.9363, 78.4403



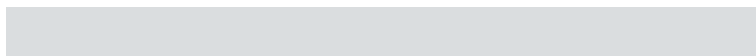
68.7486, 71.9363, 79.9682

Complementary

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



68.6795, 71.9363, 76.5950



68.0892, 71.9451, 80.1111

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.



68.4130, 71.9363, 80.2910



68.6795, 71.9363, 76.5950



67.8056, 71.9363, 79.4041

Square

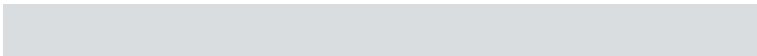
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6795, 71.9363, 76.5950



67.7660, 71.9363, 77.4540



68.0680, 71.9363, 80.0837



68.9842, 71.9363, 79.2053

Rectangle

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



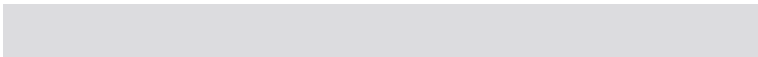
68.6795, 71.9363, 76.5950



68.1036, 71.9363, 76.5480



68.0680, 71.9363, 80.0837



68.6437, 71.9363, 80.1321

Sweetspot

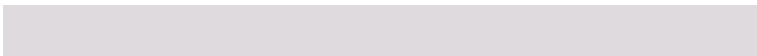
The Sweet Spot groups the original color and five complimentary colors.



68.6815, 71.9394, 76.5966



94.1566, 98.8658, 106.5902



68.5550, 71.0524, 78.5089



20.1628, 21.1733, 22.8390



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.



68.6815, 71.9394, 76.5966



92.3975, 96.6270, 102.0601



69.3416, 73.2595, 76.8166



14.9223, 15.5810, 16.3281



20.1156, 13.6691, 1.5782



1.4802, 1.1194, 0.1380

Inverse Universe

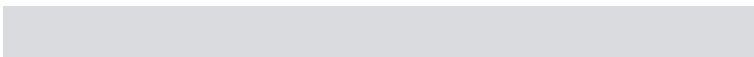
The Inverse Universe completely reimagines the original color for something new.



68.0892, 71.9451, 80.1111



91.3211, 96.6373, 108.4475



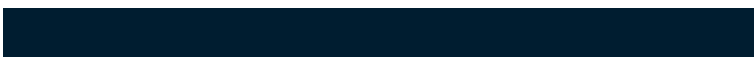
67.4351, 70.6368, 79.8930



14.7045, 15.5831, 17.6205



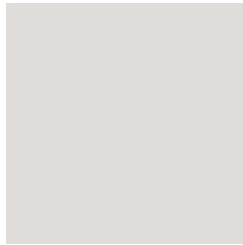
12.9277, 13.3249, 42.9390



0.9830, 1.0975, 3.0053

Previews

White Background



This preview shows how the XYZ color 68.6795, 71.9363, 76.5950 looks on a white background.

Color Contrast Check

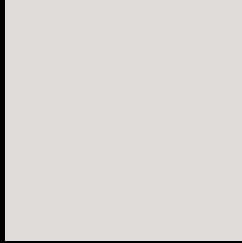
Large Text (above 18pt) WCAG AA × Fail

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 68.6795, 71.9363, 76.5950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

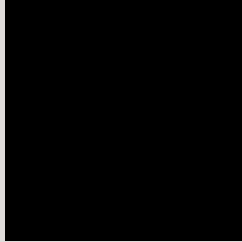
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

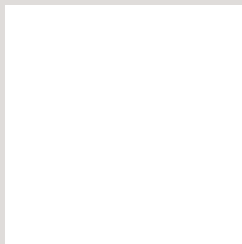
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6795, 71.9363, 76.5950

Background



This preview shows how black text looks on a background with the XYZ color 68.6795, 71.9363, 76.5950.

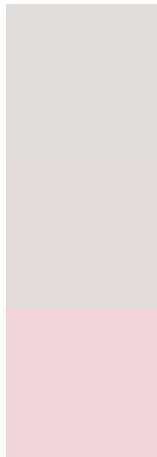


This preview shows how white text looks on a background with the XYZ color 68.6795, 71.9363,

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

68.6795, 71.9363, 76.5950

Protanopia

69.0377, 71.7325, 76.5368

Deuteranopia

73.1984, 71.5802, 76.9762



Tritanopia

71.1723, 71.7926, 88.7034

Trichromacy



Original Color

68.6795, 71.9363, 76.5950

Protanomaly

68.7269, 71.5723, 76.5222

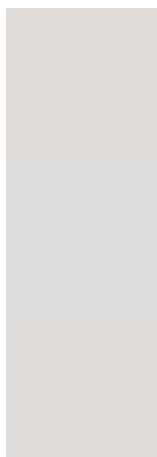
Deuteranomaly

71.6030, 71.8884, 77.1198

Tritanomaly

70.2656, 71.8075, 84.2856

Monochromacy



Original Color

68.6795, 71.9363, 76.5950

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.8989, 72.4098, 78.0553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6795, 71.9363, 76.5950 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(223, 220, 218) looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 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(223, 220, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 218) }
```

Border

The CSS property to change the border of an element to XYZ 68.6795, 71.9363, 76.5950 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(223, 220, 218) }
```


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

```
.border{ border-color:rgb(223, 220, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 220, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 220, 218); box-shadow:4px 4px 4px 4px rgb(223, 220, 218) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6795, 71.9363, 76.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 218) }
```

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

```
.background{ background-color: rgb(223,  
220, 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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