

Converting Colors

XYZ(68.6589, 76.6917, 76.0514)

Have a look what the booklet for
XYZ(68.6589, 76.6917, 76.0514)
contains.

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Color

**XYZ(68.6919, 76.8172,
76.1725)**

Conversions

Conversions Part 1

Format	Color
Hex	D5E8D8
RGB	213, 232, 216
RGB Percent	84%, 91%, 85%
CMY	0.1647, 0.0902, 0.1529
CMYK	0.08, 0.00, 0.07, 0.09
HSL	129°, 29%, 87%
HSV	129°, 8%, 91%
XYZ	68.6919, 76.8172, 76.1725
YIQ	224.4950, -6.1880, -9.0040

Conversions

Conversions Part 2

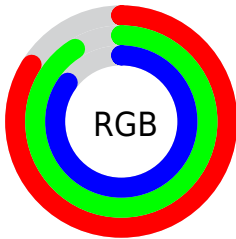
Format	Color
R _Y B	213, 229, 232
Decimal	14018776
CIE Lab	90.24, -9.22, 5.62
CIE LCh	90, 10.796, 148.615
Yxy	76.8172, 0.3099, 0.3465
Android (android.graphics.Color)	4292208856 (0xFFD5E8D8)
YUV	224.4950, -4.1880, -10.0811
Hunter-Lab	87.6454, -13.4805, 9.8229

Details

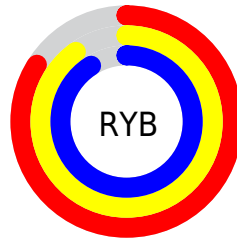
The XYZ color **68.6919, 76.8172, 76.1725** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2187, 70.4035, 83.9681**, and the grayscale version is **71.2397, 74.9498, 81.6203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0589, 40.8930, 39.7108** is the 20% darker color. If you saturate the color by 10%, you get **60.0603, 72.6444, 63.3580**, and if you desaturate by 10%, it is **78.5908, 81.6130, 90.6174**.

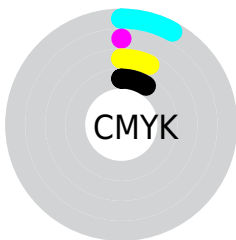
Distribution



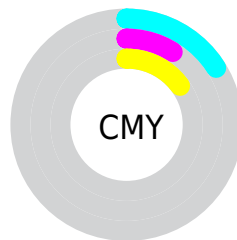
- Red (84%)
- Green (91%)
- Blue (85%)



- Red (84%)
- Yellow (90%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6919, 76.8172, 76.1725 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 68.6919, 76.8172, 76.1725 by changing the saturation by 10% instead.

68.6919, 76.8172,
76.1725

68.6919, 76.8172,
76.1725

445.2820,
484.1405, 501.3005

50.7366, 57.1029,
56.0665

116.3779,
128.8814, 129.7330

36.2192, 41.0878,
39.8519

146.8393,
162.0001, 164.0246

24.7744, 28.3877,
27.1102

182.2000,
200.3556, 203.8818

16.0369, 18.6181,
17.4228

222.8255,
244.3324, 249.7231

9.6413, 11.3947,
10.3713

269.0811,
294.3150, 301.9671

5.2222, 6.3330,
5.5370

321.3321,

2.4143, 3.0486,

350.6876, 361.0323

2.5015

379.9439,
413.8346, 427.3373

■ 0.8523, 1.1571,
0.8409

■ 0.0000, 0.0263,
0.0000

■ 68.6919, 76.8172,
76.1725

■ 68.6919, 76.8172,
76.1725

■ 60.0603, 72.6444,
63.3580

■ 78.5908, 81.6130,
90.6174

■ 52.6386, 69.0596,
52.1117

■ 88.1481, 86.1961,
106.5994

■ 46.3741, 66.0391,
42.3748

■ 41.2081, 63.5541,
34.0831

■ 37.0763, 61.5729,
27.1675

■ 33.9080, 60.0605,
21.5535

■ 31.6230, 58.9775,
17.1593

■ 30.1283, 58.2777,
13.8940

■ 29.2963, 57.8975,
11.6530

Harmonies

Analogous

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



70.5670, 76.8172, 71.3176



68.6919, 76.8172, 76.1725



67.9704, 76.8172, 83.2840

Triad

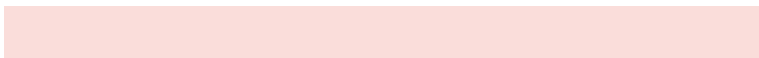
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6919, 76.8172, 76.1725



72.8877, 76.8172, 99.3150



77.6404, 76.8172, 76.7556

Complementary

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



68.6919, 76.8172, 76.1725



71.2187, 70.4035, 83.9681

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.



78.2978, 76.8172, 83.9988



68.6919, 76.8172, 76.1725



75.5138, 76.8172, 97.3078

Square

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



68.6919, 76.8172, 76.1725



70.3559, 76.8172, 96.9130



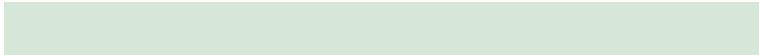
77.5105, 76.8172, 91.5821



75.7351, 76.8172, 71.6394

Rectangle

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



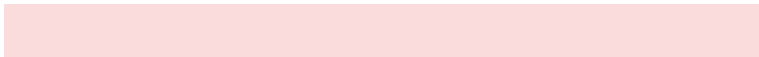
68.6919, 76.8172, 76.1725



68.2269, 76.8172, 88.4514



77.5105, 76.8172, 91.5821



78.0167, 76.8172, 79.0080

Sweetspot

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



68.6940, 76.8205, 76.1742



92.5146, 98.7720, 105.2121



73.2310, 79.2038, 74.3801



19.8285, 21.1541, 22.5584



0.0000, 0.0000, 0.0000



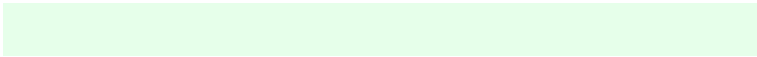
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6940, 76.8205, 76.1742



83.0161, 94.1737, 91.2869



69.9381, 77.3181, 82.7254



14.2816, 16.1261, 15.7478



16.2318, 32.1248, 6.4551



1.2279, 2.3853, 0.6269

Inverse Universe

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



71.2187, 70.4035, 83.9681



86.8064, 84.5392, 102.9882



69.9474, 69.8950, 77.2739



14.8922, 14.5741, 17.6328



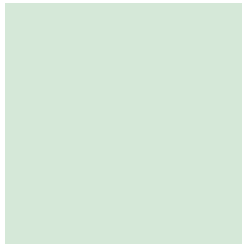
24.0060, 11.7366, 29.9901



1.8003, 0.8779, 2.3551

Previews

White Background



This preview shows how the XYZ color 68.6919, 76.8172, 76.1725 looks on a white background.

Color Contrast Check

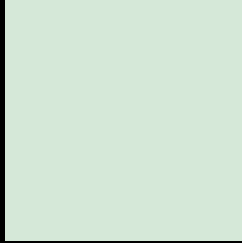
Large Text (above 18pt) WCAG AA × Fail

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 68.6919, 76.8172, 76.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

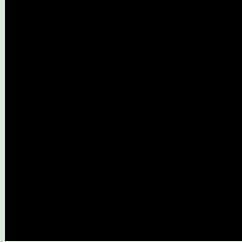
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

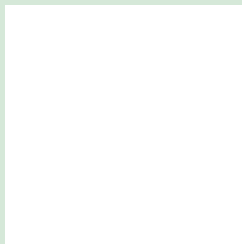
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6919, 76.8172, 76.1725

Background



This preview shows how black text looks on a background with the XYZ color 68.6919, 76.8172, 76.1725.



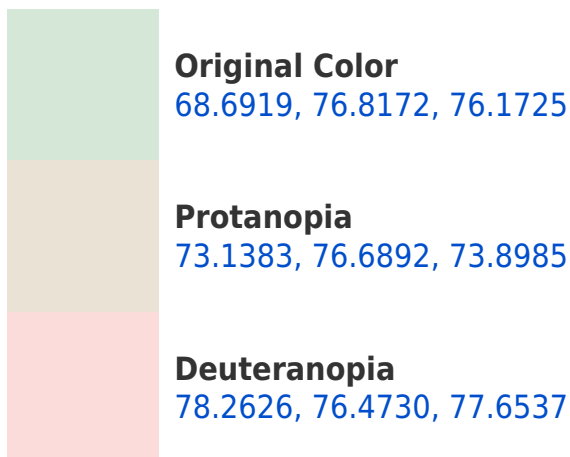
This preview shows how white text looks on a background with the XYZ color 68.6919, 76.8172,

76.1725.

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





Tritanopia

73.2914, 77.0461, 98.1973

Trichromacy



Original Color

68.6919, 76.8172, 76.1725

Protanomaly

71.2450, 76.5106, 74.6313

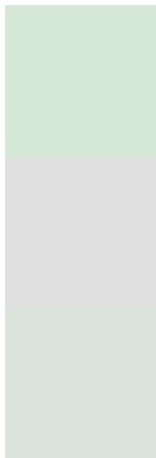
Deuteranomaly

74.5704, 76.5504, 77.1751

Tritanomaly

71.3336, 76.6357, 89.6297

Monochromacy



Original Color

68.6919, 76.8172, 76.1725

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.0354, 75.3743, 79.2640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6919, 76.8172, 76.1725 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(213, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 216)  
}
```

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(213, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 216) }
```

Border

The CSS property to change the border of an element to XYZ 68.6919, 76.8172, 76.1725 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(213, 232, 216) }
```


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

```
.border{ border-color:rgb(213, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(213, 232,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6919, 76.8172, 76.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 216) }
```

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

```
.background{ background-color: rgb(213,  
232, 216) }
```

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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