

Converting Colors

XYZ(69.7548, 75.5996, 75.5604)

Have a look what the booklet for
XYZ(69.7548, 75.5996, 75.5604)
contains.

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Color

**XYZ(69.9569, 75.8168,
75.9127)**

Conversions

Conversions Part 1

Format	Color
Hex	DDE4D8
RGB	221, 228, 216
RGB Percent	87%, 89%, 85%
CMY	0.1333, 0.1059, 0.1529
CMYK	0.03, 0.00, 0.05, 0.11
HSL	95°, 18%, 87%
HSV	95°, 5%, 89%
XYZ	69.9569, 75.8168, 75.9127
YIQ	224.5390, -0.3200, -5.2160

Conversions

Conversions Part 2

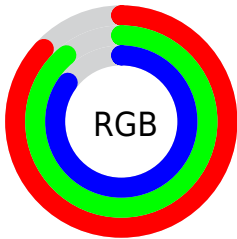
Format	Color
R _Y B	216, 228, 223
Decimal	14542040
CIE Lab	89.77, -4.48, 5.03
CIE LCh	90, 6.735, 131.729
Yxy	75.8168, 0.3156, 0.3420
Android (android.graphics.Color)	4292732120 (0xFFDDE4D8)
YUV	224.5390, -4.2097, -3.1037
Hunter-Lab	87.0728, -8.9653, 9.2602

Details

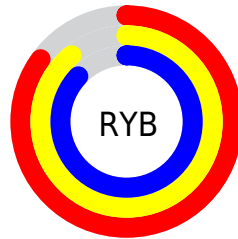
The XYZ color **69.9569, 75.8168, 75.9127** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.9937, 70.4031, 83.3554**, and the grayscale version is **71.2684, 74.9799, 81.6531**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1025, 40.5673, 39.5930** is the 20% darker color. If you saturate the color by 10%, you get **63.3206, 72.7152, 61.2679**, and if you desaturate by 10%, it is **77.3275, 79.2541, 92.7302**.

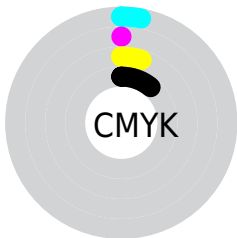
Distribution



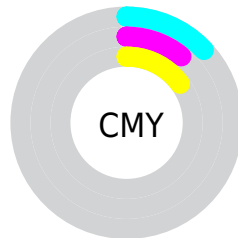
- Red (87%)
- Green (89%)
- Blue (85%)



- Red (85%)
- Yellow (89%)
- Blue (87%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (13%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9569, 75.8168, 75.9127 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 69.9569, 75.8168, 75.9127 by changing the saturation by 10% instead.

■ 69.9569, 75.8168,
75.9127

■ 69.9569, 75.8168,
75.9127

449.6674,
480.7203, 500.3877

■ 51.7709, 56.2823,
55.8547

118.1739,
127.4679, 129.3625

■ 37.0460, 40.4293,
39.6832

148.9356,
160.3533, 163.5913

■ 25.4169, 27.8734,
26.9797

184.6198,
198.4578, 203.3808

■ 16.5184, 18.2303,
17.3257

225.5920,
242.1658, 249.1496

■ 9.9849, 11.1154,
10.3026

272.2175,
291.8616, 301.3161

■ 5.4511, 6.1445,
5.4918

324.8617,

■ 2.5517, 2.9332,

347.9297, 360.2989

2.4749

383.8899,
410.7545, 426.5166

■ 0.9214, 1.0969,
0.8268

■ 0.0000, 0.0000,
0.0000

■ 69.9569, 75.8168,
75.9127

■ 69.9569, 75.8168,
75.9127

■ 63.3206, 72.7152,
61.2679

■ 77.3275, 79.2541,
92.7302

■ 57.3882, 69.9288,
48.7021

■ 84.3675, 82.5946,
106.1035

■ 52.1361, 67.4500,
38.1226

■ 87.0349, 83.9697,
106.2283

■ 47.5371, 65.2669,
29.4272

■ 43.5620, 63.3667,
22.5051

■ 40.1788, 61.7358,
17.2336

■ 37.3522, 60.3589,
13.4744

■ 35.0423, 59.2190,
11.0666

■ 33.2014, 58.2958,
9.8128

Harmonies

Analogous

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



71.4144, 75.8168, 73.9169



69.9569, 75.8168, 75.9127



69.0716, 75.8168, 79.7175

Triad

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



69.9569, 75.8168, 75.9127



71.0651, 75.8168, 91.5441



75.2337, 75.8168, 80.7064

Complementary

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



69.9569, 75.8168, 75.9127



68.9937, 70.4031, 83.3554

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.



75.1367, 75.8168, 85.4521



69.9569, 75.8168, 75.9127



72.7127, 75.8168, 91.8338

Square

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



69.9569, 75.8168, 75.9127



69.7046, 75.8168, 88.7898



74.2081, 75.8168, 89.5667



74.4712, 75.8168, 76.6127

Rectangle

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



69.9569, 75.8168, 75.9127



68.9166, 75.8168, 82.8279



74.2081, 75.8168, 89.5667



75.3008, 75.8168, 82.2759

Sweetspot

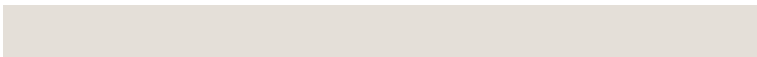
The Sweet Spot groups the original color and five complimentary colors.



69.9590, 75.8201, 75.9144



93.1533, 99.1158, 104.5819



70.7801, 74.2302, 75.5642



19.9586, 21.2242, 22.4300



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.



69.9590, 75.8201, 75.9144



89.4753, 97.3995, 96.2887



68.5889, 75.0987, 76.5274



15.1796, 16.5792, 16.2322



18.8712, 33.5100, 5.4735



1.4983, 2.5298, 0.4093

Inverse Universe

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



68.9937, 70.4031, 83.3554



88.0559, 89.4349, 107.2294



70.4187, 71.1537, 82.6992



14.9150, 15.0944, 18.2717



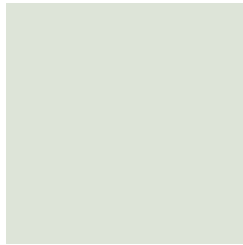
13.8124, 6.1864, 42.8493



1.1259, 0.5114, 3.1713

Previews

White Background



This preview shows how the XYZ color 69.9569, 75.8168, 75.9127 looks on a white background.

Color Contrast Check

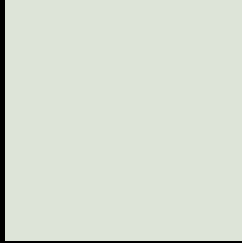
Large Text (above 18pt) WCAG AA × Fail

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 69.9569, 75.8168, 75.9127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

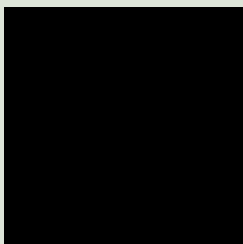
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9569, 75.8168, 75.9127

Background



This preview shows how black text looks on a background with the XYZ color 69.9569, 75.8168, 75.9127.



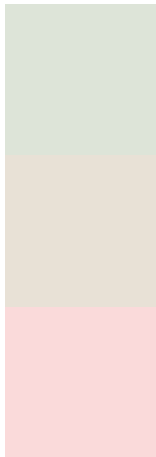
This preview shows how white text looks on a background with the XYZ color 69.9569, 75.8168,

75.9127.

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

69.9569, 75.8168, 75.9127

Protanopia

72.3415, 75.8613, 74.4482

Deuteranopia

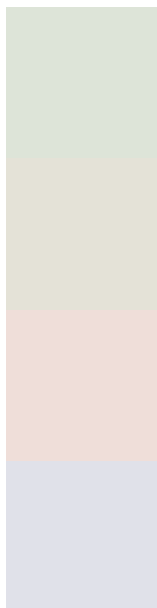
77.1506, 75.5288, 76.8419



Tritanopia

73.7340, 75.7297, 94.7355

Trichromacy



Original Color

69.9569, 75.8168, 75.9127

Protanomaly

71.4570, 75.7930, 75.1533

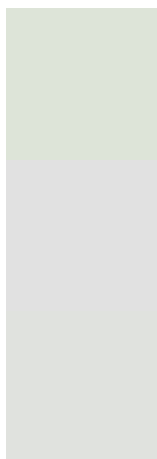
Deuteranomaly

74.2423, 75.6030, 76.3255

Tritanomaly

72.3737, 75.5809, 87.8649

Monochromacy



Original Color

69.9569, 75.8168, 75.9127

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.1216, 75.5139, 79.9344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9569, 75.8168, 75.9127 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, 228, 216) looks like.

```
.text, #text, p{  
    color:rgb(221, 228, 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(221, 228, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 228, 216) }
```

Border

The CSS property to change the border of an element to XYZ 69.9569, 75.8168, 75.9127 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, 228, 216) }
```


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

```
.border{ border-color:rgb(221, 228, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 228, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 228, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 228, 216);  
box-shadow:4px 4px 4px 4px rgb(221, 228,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9569, 75.8168, 75.9127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 228, 216) }
```

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

```
.background{ background-color: rgb(221,  
228, 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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