

Converting Colors

XYZ(70.1029, 75.3333, 70.3801)

Have a look what the booklet for
XYZ(70.1029, 75.3333, 70.3801)
contains.

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Color

**XYZ(69.9456, 75.1155,
70.4867)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E2D0
RGB	226, 226, 208
RGB Percent	89%, 89%, 82%
CMY	0.1137, 0.1137, 0.1843
CMYK	0.00, 0.00, 0.08, 0.11
HSL	60°, 24%, 85%
HSV	60°, 8%, 89%
XYZ	69.9456, 75.1155, 70.4867
YIQ	223.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

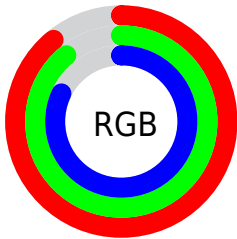
Format	Color
R_{YB}	208, 226, 208
Decimal	14869200
CIE Lab	89.45, -3.10, 8.79
CIE LCh	89, 9.322, 109.404
Yxy	75.1155, 0.3245, 0.3485
Android (android.graphics.Color)	4293059280 (0xFFE2E2D0)
YUV	223.9480, -7.8624, 1.7996
Hunter-Lab	86.6692, -7.6143, 12.4488

Details

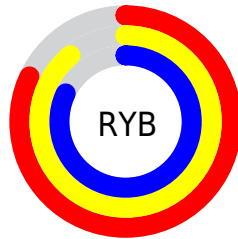
The XYZ color **69.9456, 75.1155, 70.4867** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.2985, 64.0146, 81.0280**, and the grayscale version is **70.8677, 74.5583, 81.1940**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.1902, 40.1168, 36.3550** is the 20% darker color. If you saturate the color by 10%, you get **67.3601, 74.0836, 56.8706**, and if you desaturate by 10%, it is **72.9315, 76.3125, 86.1930**.

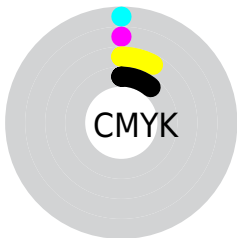
Distribution



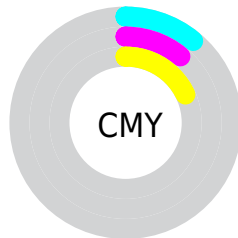
- Red (89%)
- Green (89%)
- Blue (82%)



- Red (82%)
- Yellow (89%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9456, 75.1155, 70.4867 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 69.9456, 75.1155, 70.4867 by changing the saturation by 10% instead.

■ 69.9456, 75.1155,
70.4867

■ 69.9456, 75.1155,
70.4867

449.6284,
478.3145, 481.0923

■ 51.7616, 55.7075,
51.4442

118.1579,
126.4758, 121.5902

■ 37.0386, 39.9685,
36.1830

148.9169,
159.1970, 154.4882

■ 25.4112, 27.5140,
24.2848

184.5982,
197.1247, 192.8418

■ 16.5140, 17.9596,
15.3309

225.5674,
240.6432, 237.0695

■ 9.9818, 10.9210,
8.9027

272.1896,
290.1371, 287.5899

■ 5.4490, 6.0137,
4.5818

324.8303,

■ 2.5505, 2.8534,

345.9907, 344.8214

1.9497

383.8547,
408.5883, 409.1827

■ 0.9208, 1.0557,
0.5241

■ 0.0000, 0.0000,
0.0000

■ 69.9456, 75.1155,
70.4867

■ 69.9456, 75.1155,
70.4867

■ 67.3601, 74.0836,
56.8706

■ 72.9315, 76.3125,
86.1930

■ 65.1521, 73.2002,
45.2519

■ 76.3274, 77.6710,
104.0671

■ 63.3059, 72.4615,
35.5382

■ 76.6170, 77.7871,
105.5840

■ 61.8022, 71.8599,
27.6280

■ 76.6186, 77.7879,
105.5841

60.6199, 71.3867,
21.4102

76.6202, 77.7887,
105.5841

59.7355, 71.0328,
16.7616

76.6218, 77.7895,
105.5842

59.1226, 70.7874,
13.5421

76.6234, 77.7904,
105.5843

58.7497, 70.6381,
11.5870

76.6250, 77.7912,
105.5844

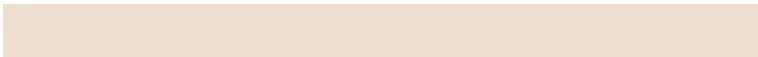
58.5732, 70.5673,
10.6657

76.6266, 77.7920,
105.5844

Harmonies

Analogous

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



72.2059, 75.1155, 70.0349



69.9456, 75.1155, 70.4867



68.1113, 75.1155, 73.8717

Triad

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



69.9456, 75.1155, 70.4867



68.5745, 75.1155, 91.7172



75.8005, 75.1155, 84.1233

Complementary

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



69.9456, 75.1155, 70.4867



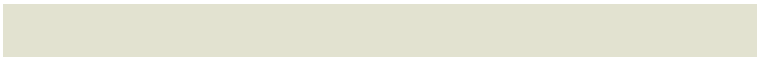
62.2985, 64.0146, 81.0280

Split Complementary

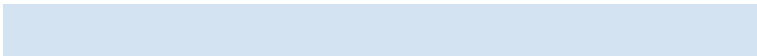
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.7827, 75.1155, 90.2506



69.9456, 75.1155, 70.4867



70.5903, 75.1155, 94.7876

Square

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



69.9456, 75.1155, 70.4867



67.3314, 75.1155, 86.0391



72.8643, 75.1155, 94.2370



75.6189, 75.1155, 77.6793

Rectangle

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



69.9456, 75.1155, 70.4867



67.3615, 75.1155, 77.4418



72.8643, 75.1155, 94.2370



75.5864, 75.1155, 86.2939

Sweetspot

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



69.9477, 75.1188, 70.4883



94.2392, 99.6756, 104.6327



65.3074, 65.8363, 68.9412



20.1796, 21.3381, 22.4404



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.



69.9477, 75.1188, 70.4883



91.2107, 98.4640, 88.6934



67.1995, 73.7021, 70.3597



14.8715, 16.0294, 14.6170



33.3998, 40.2508, 6.0088



2.3152, 2.7900, 0.4165

Inverse Universe

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



62.2985, 64.0146, 81.0280



78.6826, 80.2771, 105.9557



64.9008, 65.3561, 81.1497



12.9524, 13.2435, 17.2613



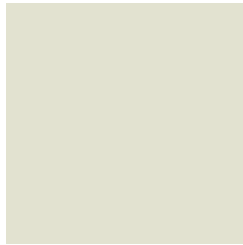
7.8320, 3.1329, 41.2403



0.5430, 0.2172, 2.8585

Previews

White Background



This preview shows how the XYZ color 69.9456, 75.1155, 70.4867 looks on a white background.

Color Contrast Check

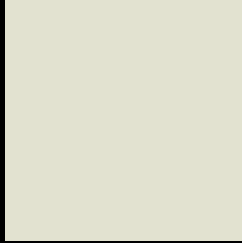
Large Text (above 18pt) WCAG AA × Fail

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 69.9456, 75.1155, 70.4867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

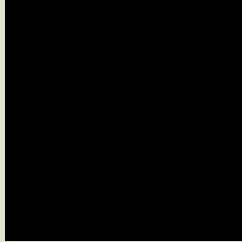
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

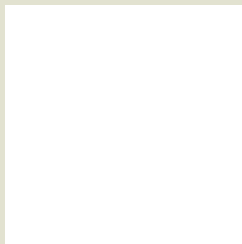
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9456, 75.1155, 70.4867

Background



This preview shows how black text looks on a background with the XYZ color 69.9456, 75.1155, 70.4867.

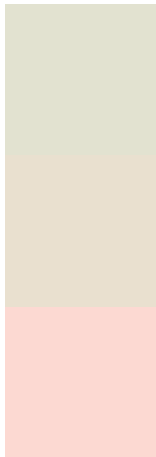


This preview shows how white text looks on a background with the XYZ color 69.9456, 75.1155,

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

69.9456, 75.1155, 70.4867

Protanopia

71.5224, 75.1399, 69.7653

Deuteranopia

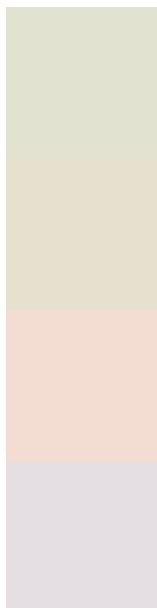
76.5906, 74.9743, 71.4075



Tritanopia

74.3914, 74.9338, 92.2042

Trichromacy



Original Color

69.9456, 75.1155, 70.4867

Protanomaly

70.8208, 75.1784, 69.8097

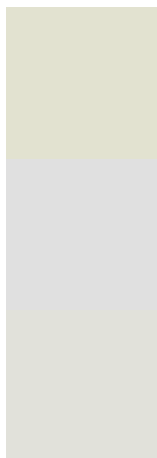
Deuteranomaly

74.0640, 74.8445, 70.8644

Tritanomaly

72.7044, 75.0348, 84.0500

Monochromacy



Original Color

69.9456, 75.1155, 70.4867

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.6314, 74.9199, 77.0680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9456, 75.1155, 70.4867 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(226, 226, 208)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 208)  
}
```

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(226, 226, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 208) }
```

Border

The CSS property to change the border of an element to XYZ 69.9456, 75.1155, 70.4867 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(226, 226, 208) }
```


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

```
.border{ border-color:rgb(226, 226, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 208);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9456, 75.1155, 70.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 208) }
```

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

```
.background{ background-color: rgb(226,  
226, 208) }
```

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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