

Converting Colors

XYZ(69.9813, 75.5734, 67.8765)

Have a look what the booklet for
XYZ(69.9813, 75.5734, 67.8765)
contains.

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Color

**XYZ(70.0467, 75.6287,
68.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E3CC
RGB	227, 227, 204
RGB Percent	89%, 89%, 80%
CMY	0.1098, 0.1098, 0.2000
CMYK	0.00, 0.00, 0.10, 0.11
HSL	60°, 29%, 85%
HSV	60°, 10%, 89%
XYZ	70.0467, 75.6287, 68.0327
YIQ	224.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

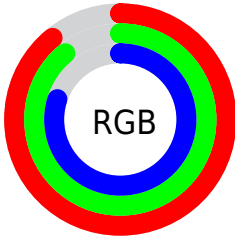
Format	Color
RYB	204, 227, 204
Decimal	14934988
CIELab	89.69, -3.91, 11.24
CIELCh	90, 11.898, 109.196
Yxy	75.6287, 0.3278, 0.3539
Android (android.graphics.Color)	4293125068 (0xFFE3E3CC)
YUV	224.3780, -10.0464, 2.2995
Hunter-Lab	86.9648, -8.4136, 14.4927

Details

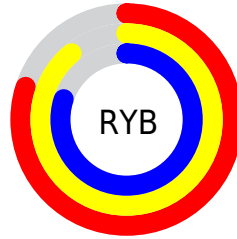
The XYZ color **70.0467, 75.6287, 68.0327** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.3628, 61.5712, 81.3801**, and the grayscale version is **71.1896, 74.8970, 81.5628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2708, 40.4777, 34.7028** is the 20% darker color. If you saturate the color by 10%, you get **67.5194, 74.6201, 54.7227**, and if you desaturate by 10%, it is **72.9750, 76.8027, 83.4360**.

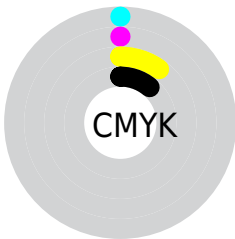
Distribution



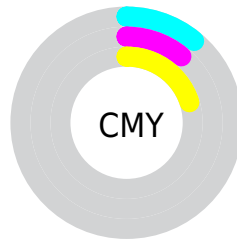
- Red (89%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0467, 75.6287, 68.0327 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 70.0467, 75.6287, 68.0327 by changing the saturation by 10% instead.

70.0467, 75.6287,
68.0327

70.0467, 75.6287,
68.0327

449.9778,
480.0757, 472.2131

51.8443, 56.1281,
49.4575

118.3013,
127.2019, 118.0536

37.1048, 40.3056,
34.6144

149.0842,
160.0433, 150.3363

25.4627, 27.7769,
23.0848

184.7913,
198.1004, 188.0253

16.5527, 18.1576,
14.4502

225.7880,
241.7577, 231.5391

10.0094, 11.0632,
8.2922

272.4397,
291.3994, 281.2962

5.4675, 6.1093,
4.1920

325.1116,

2.5616, 2.9117,

347.4101, 337.7153

1.7313

384.1692,
410.1741, 401.2147

■ 0.9264, 1.0858,
0.3820

■ 0.0000, 0.0000,
0.0000

■ 70.0467, 75.6287,
68.0327

■ 70.0467, 75.6287,
68.0327

■ 67.5194, 74.6201,
54.7227

■ 72.9750, 76.8027,
83.4360

■ 65.3699, 73.7601,
43.4113

■ 76.3142, 78.1385,
101.0124

■ 63.5819, 73.0447,
34.0033

■ 77.2039, 78.4946,
105.6896

■ 62.1354, 72.4660,
26.3942

■ 77.2054, 78.4953,
105.6897

61.0089, 72.0152,
20.4694

77.2068, 78.4961,
105.6898

60.1778, 71.6826,
16.1011

77.2083, 78.4969,
105.6898

59.6147, 71.4572,
13.1431

77.2098, 78.4976,
105.6899

59.2863, 71.3257,
11.4218

77.2113, 78.4984,
105.6900

59.1362, 71.2654,
10.6388

77.2128, 78.4991,
105.6900

Harmonies

Analogous

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



72.9438, 75.6287, 67.4962



70.0467, 75.6287, 68.0327



67.7030, 75.6287, 72.2489

Triad

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



70.0467, 75.6287, 68.0327



68.2646, 75.6287, 95.1707



77.5587, 75.6287, 85.4078

Complementary

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



70.0467, 75.6287, 68.0327



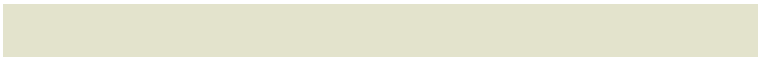
60.3628, 61.5712, 81.3801

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.



76.2312, 75.6287, 93.3443



70.0467, 75.6287, 68.0327



70.8321, 75.6287, 99.2300

Square

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



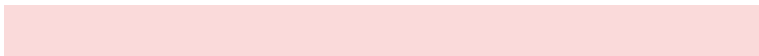
70.0467, 75.6287, 68.0327



66.6936, 75.6287, 87.7654



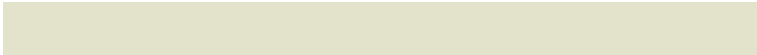
73.7507, 75.6287, 98.5398



77.3345, 75.6287, 77.1560

Rectangle

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



70.0467, 75.6287, 68.0327



66.7450, 75.6287, 76.7493



73.7507, 75.6287, 98.5398



77.2777, 75.6287, 88.2101

Sweetspot

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



70.0488, 75.6320, 68.0343



93.8420, 99.5167, 102.5418



64.1729, 63.8781, 66.0753



20.0187, 21.2737, 21.5937



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.



70.0488, 75.6320, 68.0343



90.5066, 98.1824, 84.9867



66.5424, 73.8244, 67.8702



15.6014, 16.8171, 15.3282



34.4866, 41.5600, 6.2042



2.5485, 3.0712, 0.4585

Inverse Universe

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



60.3628, 61.5712, 81.3801



75.6798, 76.6589, 105.4156



63.6317, 63.2564, 81.5331



13.5832, 13.8873, 18.1089



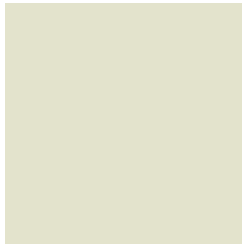
8.0867, 3.2347, 42.5813



0.5977, 0.2391, 3.1466

Previews

White Background



This preview shows how the XYZ color 70.0467, 75.6287, 68.0327 looks on a white background.

Color Contrast Check

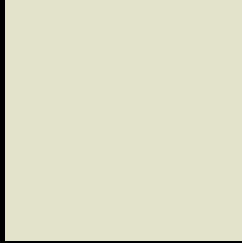
Large Text (above 18pt) WCAG AA × Fail

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 70.0467, 75.6287, 68.0327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

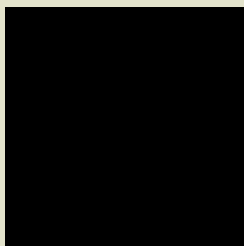
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

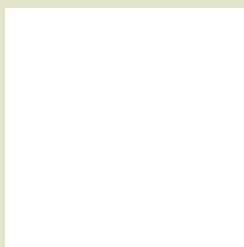
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0467, 75.6287, 68.0327

Background



This preview shows how black text looks on a background with the XYZ color 70.0467, 75.6287, 68.0327.

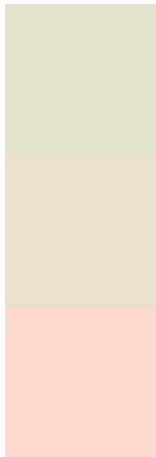


This preview shows how white text looks on a background with the XYZ color 70.0467, 75.6287,

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

70.0467, 75.6287, 68.0327

Protanopia

71.9657, 75.8244, 67.3425

Deuteranopia

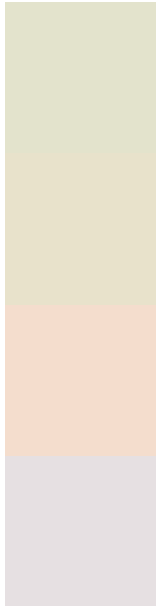
76.8265, 75.1528, 68.8493



Tritanopia

74.9800, 75.6304, 92.3076

Trichromacy



Original Color

70.0467, 75.6287, 68.0327

Protanomaly

71.2546, 75.8603, 67.3869

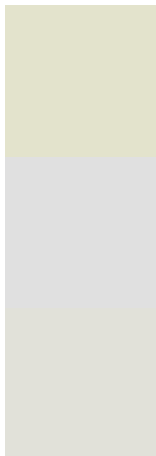
Deuteranomaly

74.1841, 75.3538, 68.3924

Tritanomaly

73.0162, 75.6253, 82.7003

Monochromacy



Original Color

70.0467, 75.6287, 68.0327

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.5009, 74.8677, 76.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0467, 75.6287, 68.0327 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(227, 227, 204)` looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 204)  
}
```

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(227, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 204) }
```

Border

The CSS property to change the border of an element to XYZ 70.0467, 75.6287, 68.0327 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(227, 227, 204) }
```


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

```
.border{ border-color:rgb(227, 227, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0467, 75.6287, 68.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 204) }
```

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

```
.background{ background-color: rgb(227,  
227, 204) }
```

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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