

# Converting Colors

XYZ(71.0960, 76.4991, 68.3059)

Have a look what the booklet for  
XYZ(71.0960, 76.4991, 68.3059)  
contains.

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# Color

**XYZ(71.2756, 76.6694,  
68.1688)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6E4CC
RGB	230, 228, 204
RGB Percent	90%, 89%, 80%
CMY	0.0980, 0.1059, 0.2000
CMYK	0.00, 0.01, 0.11, 0.10
HSL	55°, 34%, 85%
HSV	55°, 11%, 90%
XYZ	71.2756, 76.6694, 68.1688
YIQ	225.8620, 8.8960, -7.0400

# Conversions

## Conversions Part 2

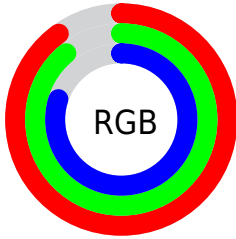
Format	Color
R <sub>Y</sub> B	206, 230, 204
Decimal	15131852
CIE Lab	90.17, -3.37, 11.95
CIE LCh	90, 12.420, 105.727
Yxy	76.6694, 0.3298, 0.3548
Android (android.graphics.Color)	4293321932 (0xFFE6E4CC)
YUV	225.8620, -10.7780, 3.6290
Hunter-Lab	87.5611, -7.9310, 15.1338

# Details

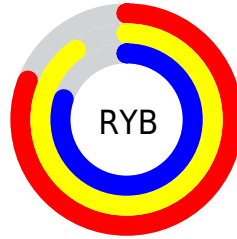
The XYZ color **71.2756, 76.6694, 68.1688** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.2560, 62.6921, 83.7359**, and the grayscale version is **72.2617, 76.0249, 82.7911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9041, 41.0878, 34.7871** is the 20% darker color. If you saturate the color by 10%, you get **68.2359, 74.6830, 54.5358**, and if you desaturate by 10%, it is **74.7319, 78.8354, 83.9524**.

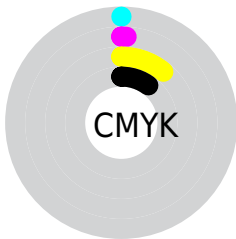
# Distribution



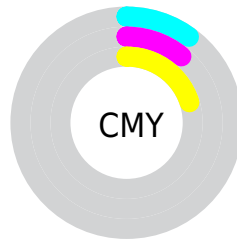
- Red (90%)
- Green (89%)
- Blue (80%)



- Red (81%)
- Yellow (90%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (11%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2756, 76.6694, 68.1688 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 71.2756, 76.6694, 68.1688 by changing the saturation by 10% instead.



71.2756, 76.6694,  
68.1688

71.2756, 76.6694,  
68.1688

454.2131,  
483.6361, 472.7081

52.8505, 56.9816,  
49.5675

120.0424,  
128.6727, 118.2501

37.9104, 40.9905,  
34.7011

151.1149,  
161.7570, 150.5672

26.0901, 28.3116,  
23.1510

187.1338,  
200.0755, 188.2933

17.0241, 18.5607,  
14.4987

228.4646,  
244.0127, 231.8470

10.3471, 11.3533,  
8.3256

275.4725,  
293.9530, 281.6468

5.6937, 6.3050,  
4.2133

328.5230,

2.6986, 3.0314,

350.2807, 338.1112

1.7431

387.9815,  
413.3803, 401.6588

■ 0.9965, 1.1482,  
0.3900

■ 0.0000, 0.0187,  
0.0000

■ 71.2756, 76.6694,  
68.1688

■ 71.2756, 76.6694,  
68.1688

■ 68.2359, 74.6830,  
54.5358

■ 74.7319, 78.8354,  
83.9524

■ 65.5887, 72.8590,  
42.9548

■ 78.6152, 81.1777,  
101.9695

■ 63.3170, 71.1930,  
33.3267

■ 79.9077, 82.4916,  
106.3186

■ 61.4000, 69.6768,  
25.5425

■ 80.4108, 83.4978,  
106.4863

■ 59.8151, 68.3013,  
19.4824

■ 80.9189, 84.5140,  
106.6557

■ 58.5367, 67.0562,  
15.0124

■ 81.4320, 85.5403,  
106.8267

■ 57.5356, 65.9298,  
11.9789

■ 81.9502, 86.5766,  
106.9995

■ 56.7770, 64.9082,  
10.1979

■ 82.4734, 87.6231,  
107.1739

■ 56.2643, 64.0849,  
9.4042

■ 83.0017, 88.6797,  
107.3500

# Harmonies

## Analogous

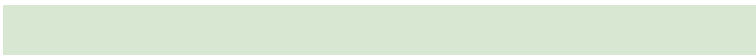
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3446, 76.6694, 68.0714



71.2756, 76.6694, 68.1688



68.7057, 76.6694, 72.1709

# Triad

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



71.2756, 76.6694, 68.1688



68.8081, 76.6694, 96.2473



78.7745, 76.6694, 87.7398

# Complementary

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



71.2756, 76.6694, 68.1688



61.2560, 62.6921, 83.7359

# Split Complementary

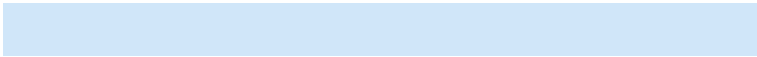
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2033, 76.6694, 95.9126



71.2756, 76.6694, 68.1688



71.4189, 76.6694, 101.0541

# Square

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



71.2756, 76.6694, 68.1688



67.3088, 76.6694, 88.1708



74.4920, 76.6694, 100.9275



78.7335, 76.6694, 78.9585



# Rectangle

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



71.2756, 76.6694, 68.1688



67.5960, 76.6694, 76.6876



74.4920, 76.6694, 100.9275



78.4155, 76.6694, 90.6619

# Sweetspot

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



71.2777, 76.6728, 68.1704



93.6556, 99.1430, 102.4795



65.3878, 64.4741, 67.4983



19.9682, 21.1724, 21.5768



0.0000, 0.0000, 0.0000

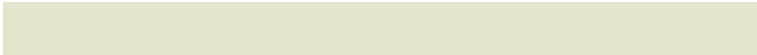


20.3446, 21.4041, 23.3091



# Same Dimension

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



71.2777, 76.6728, 68.1704



88.9579, 96.1746, 81.1001



68.4604, 76.0400, 68.1968



15.5020, 16.6179, 15.2950



31.8943, 36.3627, 5.3377



2.3852, 2.7437, 0.4039



# Inverse Universe

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



61.2560, 62.6921, 83.7359



73.4856, 74.5904, 105.1320



63.8522, 63.3219, 83.7206



13.6713, 14.0639, 18.1384



8.2392, 3.5405, 42.6323

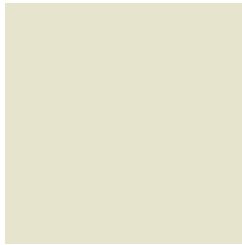


0.6400, 0.3240, 3.1608



# Previews

## White Background



This preview shows how the XYZ color 71.2756, 76.6694, 68.1688 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 71.2756, 76.6694, 68.1688 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

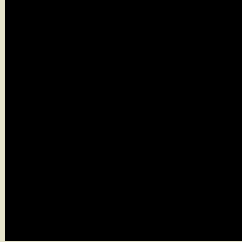
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

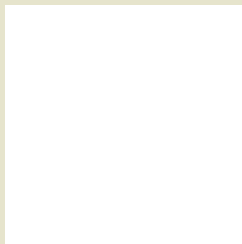
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2756, 76.6694, 68.1688**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2756, 76.6694, 68.1688.



This preview shows how white text looks on a background with the XYZ color 71.2756, 76.6694,



# 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

71.2756, 76.6694, 68.1688

### Protanopia

72.5679, 76.5374, 67.4484

### Deuteranopia

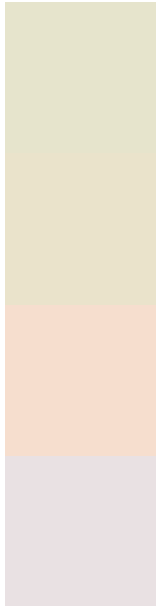
77.8340, 76.4280, 69.6813



## **Tritanopia**

76.3768, 76.7288, 93.2227

# Trichromacy



## Original Color

71.2756, 76.6694, 68.1688

## Protanomaly

72.1803, 76.7424, 67.5084

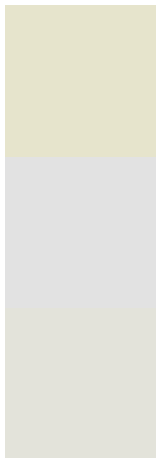
## Deuteranomaly

75.2679, 76.2916, 69.1512

## Tritanomaly

74.3946, 76.7201, 83.5605

# Monochromacy



## Original Color

71.2756, 76.6694, 68.1688

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.8025, 76.3310, 77.2786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2756, 76.6694, 68.1688 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(230, 228, 204) looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 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(230, 228, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2756, 76.6694, 68.1688 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(230, 228, 204) }
```



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

```
.border{ border-color:rgb(230, 228, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 228, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 228, 204);  
box-shadow:4px 4px 4px 4px rgb(230, 228,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2756, 76.6694, 68.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 204) }
```

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

```
.background{ background-color: rgb(230,  
228, 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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