

# Converting Colors

XYZ(71.0393, 76.4656, 69.7574)

Have a look what the booklet for  
XYZ(71.0393, 76.4656, 69.7574)  
contains.

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# Color

**XYZ(71.0008, 76.4858,  
70.0526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E4CF
RGB	228, 228, 207
RGB Percent	89%, 89%, 81%
CMY	0.1059, 0.1059, 0.1882
CMYK	0.00, 0.00, 0.09, 0.11
HSL	60°, 28%, 85%
HSV	60°, 9%, 89%
XYZ	71.0008, 76.4858, 70.0526
YIQ	225.6060, 6.7410, -6.5310

# Conversions

## Conversions Part 2

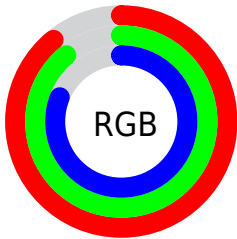
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 228, 207
Decimal	15000783
CIE Lab	90.08, -3.59, 10.25
CIE LCh	90, 10.856, 109.284
Yxy	76.4858, 0.3264, 0.3516
Android (android.graphics.Color)	4293190863 (0xFFE4E4CF)
YUV	225.6060, -9.1728, 2.0995
Hunter-Lab	87.4562, -8.1340, 13.7279

# Details

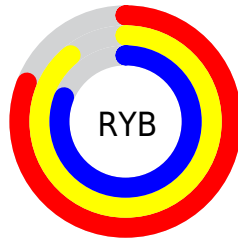
The XYZ color **71.0008, 76.4858, 70.0526** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.0515, 63.4946, 82.3881**, and the grayscale version is **72.0668, 75.8198, 82.5678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9269, 41.0713, 36.0656** is the 20% darker color. If you saturate the color by 10%, you get **68.4114, 75.4524, 56.4162**, and if you desaturate by 10%, it is **73.9970, 77.6870, 85.8125**.

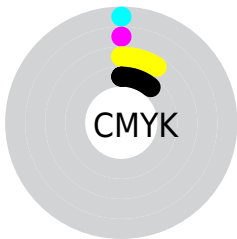
# Distribution



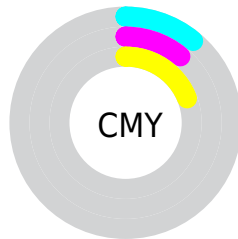
- Red (89%)
- Green (89%)
- Blue (81%)



- Red (81%)
- Yellow (89%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0008, 76.4858, 70.0526 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 71.0008, 76.4858, 70.0526 by changing the saturation by 10% instead.



71.0008, 76.4858,  
70.0526

71.0008, 76.4858,  
70.0526

453.2680,  
483.0091, 479.5288

52.6254, 56.8309,  
51.0923

119.6534,  
128.4134, 120.9656

37.7301, 40.8695,  
35.9049

150.6612,  
161.4549, 153.7554

25.9495, 28.2172,  
24.0716

186.6106,  
199.7274, 191.9921

16.9184, 18.4894,  
15.1741

227.8669,  
243.6154, 236.0944

10.2712, 11.3019,  
8.7937

274.7955,  
293.5031, 286.4806

5.6428, 6.2703,  
4.5119

327.7616,

2.6677, 3.0101,

349.7750, 343.5694

1.9101

387.1306,  
412.8156, 407.7793

■ 0.9806, 1.1370,  
0.4992

■ 0.0000, 0.0093,  
0.0000

■ 71.0008, 76.4858,  
70.0526

■ 71.0008, 76.4858,  
70.0526

■ 68.4114, 75.4524,  
56.4162

■ 73.9970, 77.6870,  
85.8125

■ 66.2054, 74.5698,  
44.8078

■ 77.4098, 79.0523,  
103.7759

■ 64.3664, 73.8340,  
35.1321

■ 77.7950, 79.2065,  
105.7959

■ 62.8745, 73.2371,  
27.2842

■ 77.7966, 79.2074,  
105.7960

61.7079, 72.7702,  
21.1494

77.7982, 79.2082,  
105.7960

60.8423, 72.4238,  
16.5997

77.7998, 79.2090,  
105.7961

60.2501, 72.1867,  
13.4895

77.8014, 79.2098,  
105.7962

59.8985, 72.0459,  
11.6464

77.8030, 79.2107,  
105.7963

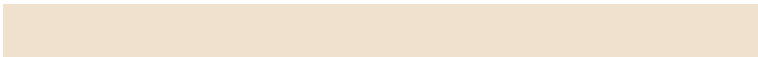
59.7356, 71.9806,  
10.7968

77.8046, 79.2115,  
105.7963

# Harmonies

## Analogous

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



73.6644, 76.4858, 69.5428



71.0008, 76.4858, 70.0526



68.8431, 76.4858, 73.9767

# Triad

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



71.0008, 76.4858, 70.0526



69.3720, 76.4858, 95.0330



77.9046, 76.4858, 86.0678

# Complementary

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



71.0008, 76.4858, 70.0526



62.0515, 63.4946, 82.3881

# Split Complementary

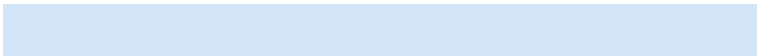
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6931, 76.4858, 93.3324



71.0008, 76.4858, 70.0526



71.7390, 76.4858, 98.7167

# Square

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



71.0008, 76.4858, 70.0526



67.9188, 76.4858, 88.2741



74.4209, 76.4858, 98.0758



77.6951, 76.4858, 78.4780

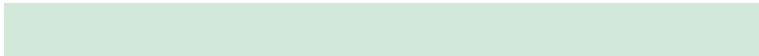


# Rectangle

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



71.0008, 76.4858, 70.0526



67.9611, 76.4858, 78.1440



74.4209, 76.4858, 98.0758



77.6489, 76.4858, 88.6364

# Sweetspot

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



71.0029, 76.4891, 70.0542



93.8420, 99.5167, 102.5418



65.5727, 65.6265, 68.2437



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.



71.0029, 76.4891, 70.0542



90.8559, 98.3221, 86.8263



67.7729, 74.8240, 69.9031



15.6013, 16.8171, 15.3282



34.4860, 41.5597, 6.2042



2.5485, 3.0712, 0.4585



# Inverse Universe

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



62.0515, 63.4946, 82.3881



77.1702, 78.4546, 105.6837



65.0829, 65.0573, 82.5300



13.5832, 13.8874, 18.1089



8.0867, 3.2347, 42.5813

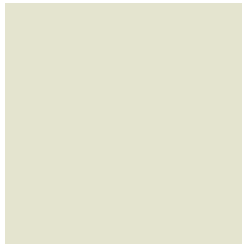


0.5977, 0.2391, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 71.0008, 76.4858, 70.0526 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 71.0008, 76.4858, 70.0526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

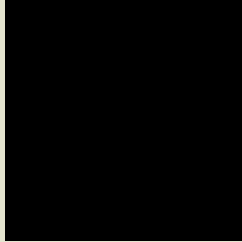
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

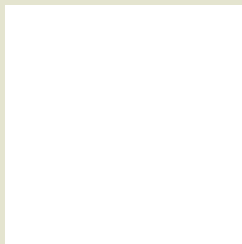
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0008, 76.4858, 70.0526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0008, 76.4858, 70.0526.



This preview shows how white text looks on a background with the XYZ color 71.0008, 76.4858,



# 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

71.0008, 76.4858, 70.0526

### Protanopia

72.5979, 76.5111, 69.3343

### Deuteranopia

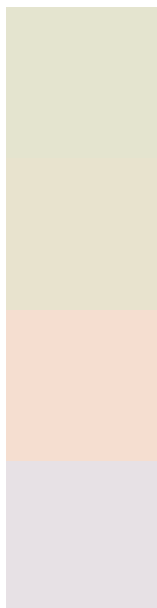
78.0801, 76.5265, 70.9774



## Tritanopia

75.8691, 76.4499, 93.9767

# Trichromacy



## Original Color

71.0008, 76.4858, 70.0526

## Protanomaly

71.8884, 76.5502, 69.3793

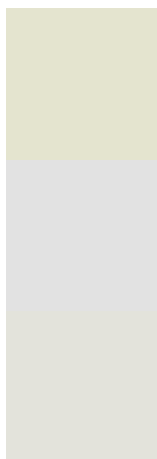
## Deuteranomaly

75.1626, 76.2091, 70.4228

## Tritanomaly

74.0231, 76.4965, 84.9926

# Monochromacy



## Original Color

71.0008, 76.4858, 70.0526

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.9338, 76.3835, 77.9700

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0008, 76.4858, 70.0526 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(228, 228, 207)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 207)  
}
```

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(228, 228, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0008, 76.4858, 70.0526 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(228, 228, 207) }
```



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

```
.border{ border-color:rgb(228, 228, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 228, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 207);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0008, 76.4858, 70.0526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 207) }
```

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

```
.background{ background-color: rgb(228,  
228, 207) }
```

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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