

# Converting Colors

XYZ(71.9151, 77.3660, 70.1755)

Have a look what the booklet for  
XYZ(71.9151, 77.3660, 70.1755)  
contains.

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# Color

**XYZ(71.9149, 77.3666,  
70.1744)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6E5CF
RGB	230, 229, 207
RGB Percent	90%, 90%, 81%
CMY	0.0980, 0.1019, 0.1882
CMYK	0.00, 0.00, 0.10, 0.10
HSL	57°, 32%, 86%
HSV	57°, 10%, 90%
XYZ	71.9149, 77.3666, 70.1744
YIQ	226.7910, 7.6580, -6.6300

# Conversions

## Conversions Part 2

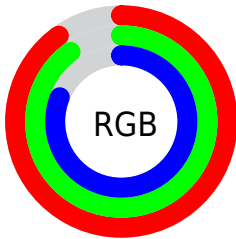
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 230, 207
Decimal	15132111
CIE Lab	90.49, -3.40, 10.85
CIE LCh	90, 11.365, 107.382
Yxy	77.3666, 0.3277, 0.3525
Android (android.graphics.Color)	4293322191 (0xFFE6E5CF)
YUV	226.7910, -9.7570, 2.8143
Hunter-Lab	87.9583, -7.9850, 14.2684

# Details

The XYZ color **71.9149, 77.3666, 70.1744** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5708, 64.0892, 83.9362**, and the grayscale version is **72.9283, 76.7263, 83.5549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3414, 41.5707, 36.1401** is the 20% darker color. If you saturate the color by 10%, you get **69.0316, 75.7764, 56.3363**, and if you desaturate by 10%, it is **75.2137, 79.1306, 86.1738**.

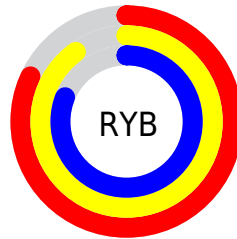
# Distribution



Red (90%)

Green (90%)

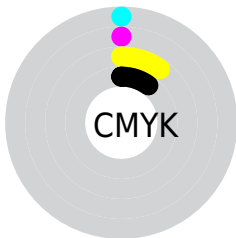
Blue (81%)



Red (82%)

Yellow (90%)

Blue (81%)

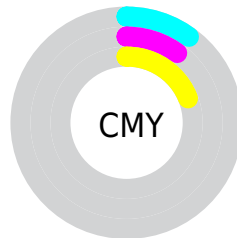


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (10%)



Cyan (10%)

Magenta (10%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9149, 77.3666, 70.1744 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 71.9149, 77.3666, 70.1744 by changing the saturation by 10% instead.



■ 71.9149, 77.3666,  
70.1744

■ 71.9149, 77.3666,  
70.1744

456.4076,  
486.0131, 479.9678

■ 53.3744, 57.5538,  
51.1910

120.9470,  
129.6568, 121.1409

■ 38.3304, 41.4500,  
35.9829

152.1693,  
162.9031, 153.9611

■ 26.4176, 28.6709,  
24.1314

188.3495,  
201.3959, 192.2306

■ 17.2706, 18.8320,  
15.2180

229.8531,  
245.5198, 236.3681

■ 10.5241, 11.5490,  
8.8242

277.0453,  
295.6590, 286.7920

■ 5.8127, 6.4373,  
4.5315

330.2915,

■ 2.7711, 3.1128,

352.1980, 343.9209

1.9212

389.9572,  
415.5213, 408.1733

■ 1.0339, 1.1909,  
0.5062

■ 0.0000, 0.0543,  
0.0000

■ 71.9149, 77.3666,  
70.1744

■ 71.9149, 77.3666,  
70.1744

■ 69.0316, 75.7764,  
56.3363

■ 75.2137, 79.1306,  
86.1738

■ 66.5398, 74.3428,  
44.5615

■ 78.9382, 81.0649,  
104.4167

■ 64.4227, 73.0616,  
34.7522

■ 79.5377, 81.7517,  
106.1953

■ 62.6598, 71.9246,  
26.8004

■ 79.8187, 82.3136,  
106.2890

61.2287, 70.9228,  
20.5879

80.1012, 82.8787,  
106.3831

60.1043, 70.0462,  
15.9828

80.3854, 83.4470,  
106.4779

59.2581, 69.2834,  
12.8347

80.6711, 84.0185,  
106.5731

58.6559, 68.6207,  
10.9643

80.9584, 84.5931,  
106.6689

58.2392, 68.0346,  
10.0625

81.2474, 85.1710,  
106.7652

# Harmonies

## Analogous

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



74.7344, 77.3666, 69.8769



71.9149, 77.3666, 70.1744



69.5878, 77.3666, 74.0844

# Triad

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



71.9149, 77.3666, 70.1744



69.8977, 77.3666, 96.2832



78.9948, 77.3666, 87.7029

# Complementary

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



71.9149, 77.3666, 70.1744



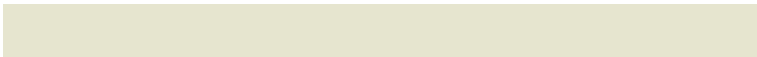
62.5708, 64.0892, 83.9362

# Split Complementary

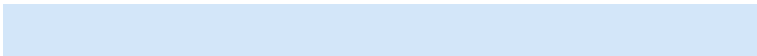
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6279, 77.3666, 95.2817



71.9149, 77.3666, 70.1744



72.3478, 77.3666, 100.4455

# Square

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



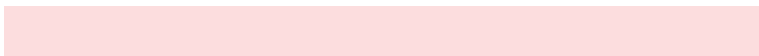
71.9149, 77.3666, 70.1744



68.4440, 77.3666, 88.9993



75.1785, 77.3666, 100.0676

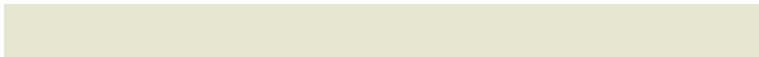


78.8716, 77.3666, 79.6517



# Rectangle

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



71.9149, 77.3666, 70.1744



68.6068, 77.3666, 78.3648



75.1785, 77.3666, 100.0676



78.6929, 77.3666, 90.3998

# Sweetspot

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



71.9170, 77.3700, 70.1761



93.7371, 99.3060, 102.5066



66.3505, 66.0112, 69.0168



19.9902, 21.2166, 21.5842



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.



71.9170, 77.3700, 70.1761



90.0879, 97.3416, 84.8464



68.9695, 76.2605, 70.1173



15.5453, 16.7046, 15.3094



32.9956, 38.5653, 5.7048



2.4549, 2.8832, 0.4271



# Inverse Universe

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



62.5708, 64.0892, 83.9362



76.0360, 77.3741, 105.5349



65.3161, 65.1453, 83.9954



13.6326, 13.9866, 18.1255



8.1700, 3.4022, 42.6092

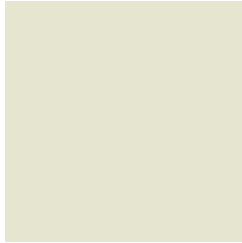


0.6215, 0.2869, 3.1546



# Previews

## White Background



This preview shows how the XYZ color 71.9149, 77.3666, 70.1744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

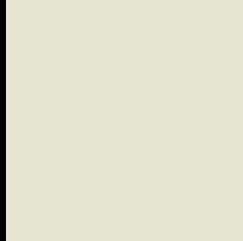
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9149, 77.3666, 70.1744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

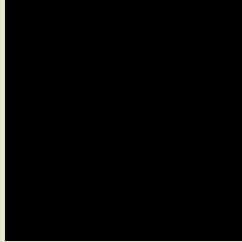
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

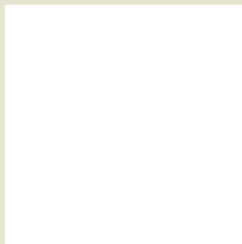
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.9149, 77.3666, 70.1744

## Background



This preview shows how black text looks on a background with the XYZ color 71.9149, 77.3666, 70.1744.



This preview shows how white text looks on a background with the XYZ color 71.9149, 77.3666,



# 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

71.9149, 77.3666, 70.1744

### Protanopia

73.5347, 77.3989, 69.4563

### Deuteranopia

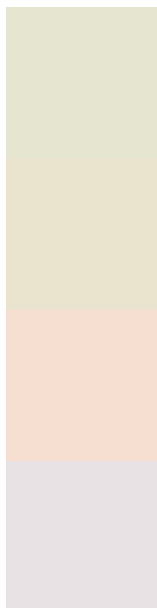
78.4661, 77.0995, 71.7189



## Tritanopia

76.9436, 77.3843, 94.8857

# Trichromacy



## Original Color

71.9149, 77.3666, 70.1744

## Protanomaly

72.8157, 77.4355, 69.5013

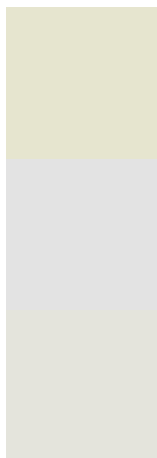
## Deuteranomaly

75.9023, 76.9716, 71.1781

## Tritanomaly

74.9435, 77.3735, 85.1134

# Monochromacy



## Original Color

71.9149, 77.3666, 70.1744

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.6566, 77.1481, 78.7718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9149, 77.3666, 70.1744 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, 229, 207) looks like.

```
.text, #text, p{  
    color:rgb(230, 229, 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(230, 229, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 229, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9149, 77.3666, 70.1744 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, 229, 207) }
```



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

```
.border{ border-color:rgb(230, 229, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 229, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 229, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 229, 207);  
box-shadow:4px 4px 4px 4px rgb(230, 229,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9149, 77.3666, 70.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 229, 207) }
```

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

```
.background{ background-color: rgb(230,  
229, 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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