

# Converting Colors

XYZ(71.3771, 74.6531, 70.3220)

Have a look what the booklet for  
XYZ(71.3771, 74.6531, 70.3220)  
contains.

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# Color

**XYZ(71.3771, 74.6531,  
70.3220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9DFD0
RGB	233, 223, 208
RGB Percent	91%, 87%, 82%
CMY	0.0863, 0.1255, 0.1843
CMYK	0.00, 0.04, 0.11, 0.09
HSL	36°, 36%, 86%
HSV	36°, 11%, 91%
XYZ	71.3771, 74.6531, 70.3220
YIQ	224.2800, 10.7750, -2.5450

# Conversions

## Conversions Part 2

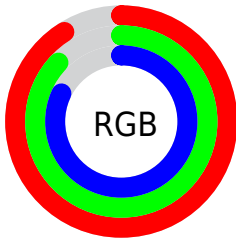
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 233, 208
Decimal	15327184
CIE <sub>Lab</sub>	89.23, 0.90, 8.55
CIE <sub>LCh</sub>	89, 8.600, 84.016
Yxy	74.6531, 0.3299, 0.3451
Android (android.graphics.Color)	4293517264 (0xFFE9DFD0)
YUV	224.2800, -8.0260, 7.6474
Hunter-Lab	86.4020, -3.7439, 12.2257

# Details

The XYZ color **71.3771, 74.6531, 70.3220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7915, 69.4345, 87.0260**, and the grayscale version is **71.1037, 74.8067, 81.4644**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9668, 39.6855, 36.2308** is the 20% darker color. If you saturate the color by 10%, you get **66.2982, 68.7504, 55.5098**, and if you desaturate by 10%, it is **77.0182, 81.0048, 87.4011**.

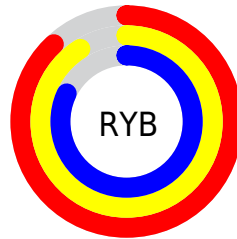
# Distribution



Red (91%)

Green (87%)

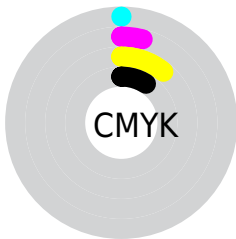
Blue (82%)



Red (88%)

Yellow (91%)

Blue (82%)

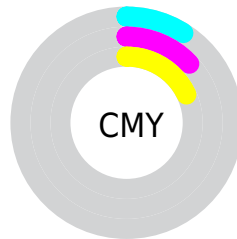


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (9%)



Cyan (9%)

Magenta (13%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3771, 74.6531, 70.3220 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 71.3771, 74.6531, 70.3220 by changing the saturation by 10% instead.



■ 71.3771, 74.6531,  
70.3220

■ 71.3771, 74.6531,  
70.3220

454.5620,  
476.7244, 480.4994

■ 52.9336, 55.3287,  
51.3107

120.1861,  
125.8212, 121.3533

■ 37.9771, 39.6650,  
36.0775

151.2824,  
158.4337, 154.2102

■ 26.1420, 27.2774,  
24.2039

187.3270,  
196.2444, 192.5195

■ 17.0632, 17.7817,  
15.2713

228.6852,  
239.6377, 236.6997

■ 10.3751, 10.7934,  
8.8613

275.7225,  
288.9979, 287.1692

■ 5.7125, 5.9281,  
4.5552

328.8041,

■ 2.7101, 2.8014,

344.7095, 344.3466

1.9346

388.2955,  
407.1569, 408.6505

■ 1.0024, 1.0289,  
0.5146

■ 0.0000, 0.0000,  
0.0000

■ 71.3771, 74.6531,  
70.3220

■ 71.3771, 74.6531,  
70.3220

■ 66.2982, 68.7504,  
55.5098

■ 77.0182, 81.0048,  
87.4011

■ 61.7550, 63.2751,  
42.8626

■ 83.2348, 87.8067,  
106.8335

■ 57.7276, 58.2182,  
32.2779

■ 86.1370, 93.5087,  
108.1168

■ 54.1924, 53.5666,  
23.6429

■ 87.4146, 96.0638,  
108.5427

■ 51.1238, 49.3063,  
16.8338

■ 48.4932, 45.4219,  
11.7125

■ 46.2684, 41.8966,  
8.1209

■ 44.4109, 38.7109,  
5.8703

■ 42.9598, 36.0343,  
4.6911

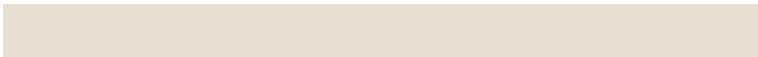
# Harmonies

## Analogous

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



73.3534, 74.6531, 72.2854



71.3771, 74.6531, 70.3220



69.3255, 74.6531, 71.1768

# Triad

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



71.3771, 74.6531, 70.3220



67.3324, 74.6531, 86.0803



74.2718, 74.6531, 88.2669

# Complementary

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



71.3771, 74.6531, 70.3220



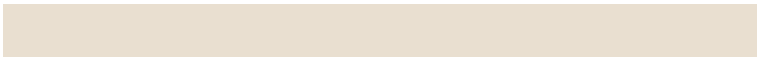
65.7915, 69.4345, 87.0260

# 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.



72.6109, 74.6531, 92.3066



71.3771, 74.6531, 70.3220



68.6105, 74.6531, 91.0012

# Square

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



71.3771, 74.6531, 70.3220



67.0167, 74.6531, 80.0855



70.5356, 74.6531, 93.3310



75.0458, 74.6531, 82.4955



# Rectangle

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



71.3771, 74.6531, 70.3220



68.1878, 74.6531, 73.2522



70.5356, 74.6531, 93.3310



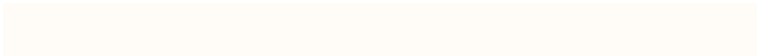
73.7971, 74.6531, 89.8836

# Sweetspot

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



71.3791, 74.6564, 70.3236



92.8746, 97.5810, 102.2191



68.8159, 67.4984, 75.7321



19.7569, 20.7498, 21.5064



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.



71.3791, 74.6564, 70.3236



86.0813, 89.8791, 81.8133



73.3187, 79.7385, 71.2023



15.8174, 16.5579, 15.8810



24.5006, 20.6954, 2.7033



2.0176, 1.8125, 0.2435

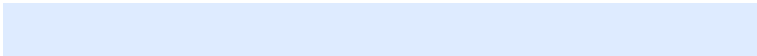


# Inverse Universe

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



65.7915, 69.4345, 87.0260



77.8663, 82.2021, 106.3703



63.9858, 64.7712, 86.2211



14.7254, 15.5373, 19.1451



10.6880, 8.0231, 44.7283

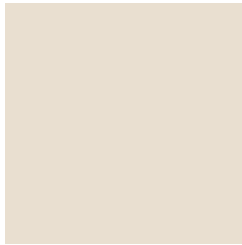


0.9311, 0.8137, 3.5429



# Previews

## White Background



This preview shows how the XYZ color 71.3771, 74.6531, 70.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

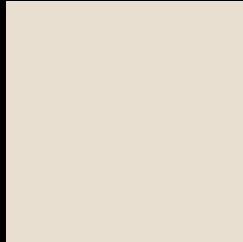
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.3771, 74.6531, 70.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

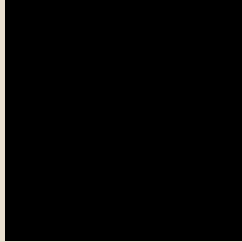
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.3771, 74.6531, 70.3220**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.3771, 74.6531, 70.3220.



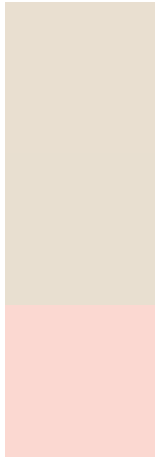
This preview shows how white text looks on a background with the XYZ color 71.3771, 74.6531,



# 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

71.3771, 74.6531, 70.3220

### Protanopia

71.0516, 74.4852, 70.3068

### Deuteranopia

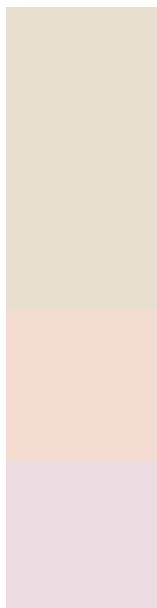
75.8482, 74.2244, 70.6507



## Tritanopia

75.3969, 74.7237, 89.8062

# Trichromacy



## Original Color

71.3771, 74.6531, 70.3220

## Protanomaly

71.0516, 74.4852, 70.3068

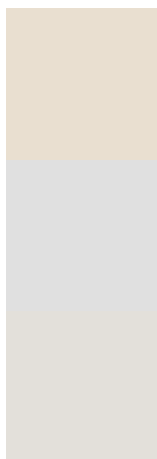
## Deuteranomaly

74.1484, 74.4996, 70.7934

## Tritanomaly

73.9127, 74.5103, 82.4378

# Monochromacy



## Original Color

71.3771, 74.6531, 70.3220

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.9891, 74.7042, 77.0075

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.3771, 74.6531, 70.3220 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(233, 223, 208)` looks like.

```
.text, #text, p{  
    color:rgb(233, 223, 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(233, 223, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 223, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 71.3771, 74.6531, 70.3220 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(233, 223, 208) }
```



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

```
.border{ border-color:rgb(233, 223, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 223, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 223, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 223, 208);  
box-shadow:4px 4px 4px 4px rgb(233, 223,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.3771, 74.6531, 70.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 223, 208) }
```

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

```
.background{ background-color: rgb(233,  
223, 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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