

# Converting Colors

XYZ(70.9234, 75.0432, 62.9768)

Have a look what the booklet for  
XYZ(70.9234, 75.0432, 62.9768)  
contains.

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# Color

**XYZ(70.8804, 74.9590,  
62.9573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE0C4
RGB	235, 224, 196
RGB Percent	92%, 88%, 77%
CMY	0.0784, 0.1215, 0.2314
CMYK	0.00, 0.05, 0.17, 0.08
HSL	43°, 49%, 85%
HSV	43°, 17%, 92%
XYZ	70.8804, 74.9590, 62.9573
YIQ	224.0970, 15.5440, -6.3760

# Conversions

## Conversions Part 2

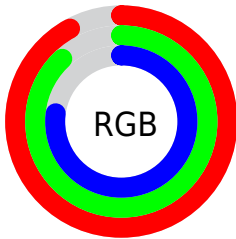
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 235, 196
Decimal	15458500
CIE <sub>Lab</sub>	89.37, -0.78, 15.06
CIE <sub>LCh</sub>	89, 15.080, 92.961
Yxy	74.9590, 0.3395, 0.3590
Android (android.graphics.Color)	4293648580 (0xFFEBE0C4)
YUV	224.0970, -13.8518, 9.5619
Hunter-Lab	86.5789, -5.3786, 17.4915

# Details

The XYZ color **70.8804, 74.9590, 62.9573** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **60.0729, 62.3582, 87.4679**, and the grayscale version is **71.0107, 74.7088, 81.3578**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **37.6609, 39.9126, 31.3102** is the 20% darker color. If you saturate the color by 10%, you get **66.6669, 70.4823, 49.3736**, and if you desaturate by 10%, it is **75.5863, 79.7488, 78.7740**.

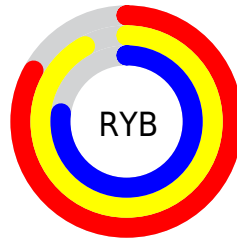
# Distribution



Red (92%)

Green (88%)

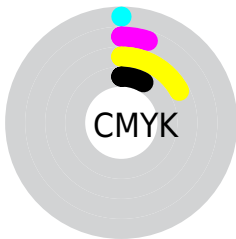
Blue (77%)



Red (83%)

Yellow (92%)

Blue (77%)

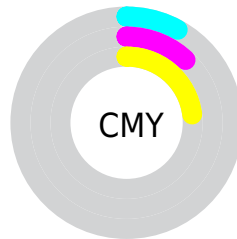


Cyan (0%)

Magenta (5%)

Yellow (17%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8804, 74.9590, 62.9573 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 70.8804, 74.9590, 62.9573 by changing the saturation by 10% instead.



70.8804, 74.9590,  
62.9573

70.8804, 74.9590,  
62.9573

452.8536,  
477.7766, 453.5182

52.5268, 55.5793,  
45.3659

119.4829,  
126.2543, 110.6929

37.6511, 39.8657,  
31.4007

150.4624,  
158.9387, 141.6741

25.8880, 27.4339,  
20.6431

186.3813,  
196.8268, 177.9558

16.8721, 17.8993,  
12.6747

227.6049,  
240.3030, 219.9563

10.2381, 10.8777,  
7.0768

274.4986,  
289.7517, 268.0942

5.6206, 5.9847,  
3.4310

327.4277,

2.6542, 2.8358,

345.5573, 322.7882

1.3187

386.7576,  
408.1041, 384.4567

■ 0.9737, 1.0466,  
0.0770

■ 0.0000, 0.0000,  
0.0000

■ 70.8804, 74.9590,  
62.9573

■ 70.8804, 74.9590,  
62.9573

■ 66.6669, 70.4823,  
49.3736

■ 75.5863, 79.7488,  
78.7740

■ 62.9196, 66.2992,  
37.9153

■ 80.7976, 84.8505,  
96.9148

■ 59.6187, 62.4033,  
28.4733

■ 84.6263, 89.5125,  
107.4251

■ 56.7405, 58.7837,  
20.9266

■ 86.6546, 93.5691,  
108.1012

■ 54.2589, 55.4285,  
15.1414

■ 88.0712, 96.4023,  
108.5734

■ 52.1441, 52.3247,  
10.9660

■ 50.3618, 49.4571,  
8.2231

■ 48.8685, 46.8069,  
6.6887

■ 48.4022, 45.9444,  
6.3171

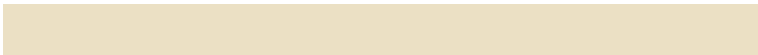
# Harmonies

## Analogous

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



74.5212, 74.9590, 64.8210



70.8804, 74.9590, 62.9573



67.4548, 74.9590, 65.7254

# Triad

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



70.8804, 74.9590, 62.9573



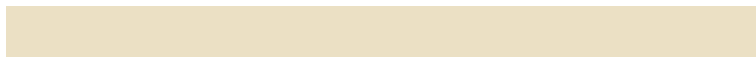
65.4565, 74.9590, 93.1816



77.7557, 74.9590, 91.2097

# Complementary

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



70.8804, 74.9590, 62.9573



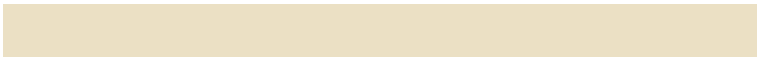
60.0729, 62.3582, 87.4679

# Split Complementary

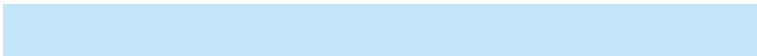
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.1773, 74.9590, 99.8849



70.8804, 74.9590, 62.9573



68.0687, 74.9590, 101.0907

# Square

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



70.8804, 74.9590, 62.9573



64.3918, 74.9590, 82.6718



71.6134, 74.9590, 103.6427

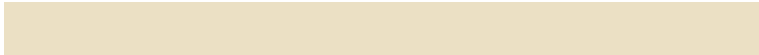


78.5707, 74.9590, 80.5724



# Rectangle

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



70.8804, 74.9590, 62.9573



65.7306, 74.9590, 69.9774



71.6134, 74.9590, 103.6427



77.0622, 74.9590, 94.4820

# Sweetspot

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



70.8824, 74.9623, 62.9589



91.9286, 96.9338, 98.0663



65.2703, 61.6505, 67.5241



19.5853, 20.6572, 20.6766



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.



70.8824, 74.9623, 62.9589



83.4825, 88.3065, 69.7716



71.2096, 79.6606, 63.8485



15.9722, 16.8675, 15.9326



27.0513, 25.7969, 3.5535



2.2050, 2.1872, 0.3060



# Inverse Universe

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



60.0729, 62.3582, 87.4679



68.1215, 70.3966, 104.6053



59.7616, 58.3801, 86.7165



14.5770, 15.2404, 19.0956



9.5313, 5.7097, 44.3427

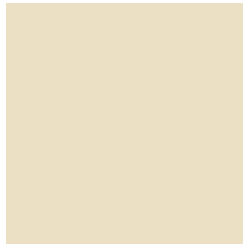


0.8275, 0.6065, 3.5083



# Previews

## White Background



This preview shows how the XYZ color 70.8804, 74.9590, 62.9573 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 70.8804, 74.9590, 62.9573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

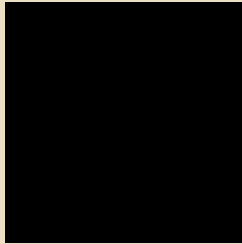
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

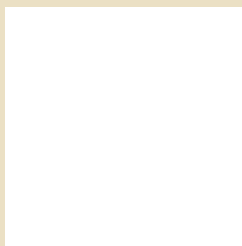
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.8804, 74.9590, 62.9573**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8804, 74.9590, 62.9573.



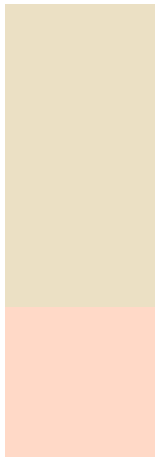
This preview shows how white text looks on a background with the XYZ color 70.8804, 74.9590,



# 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

70.8804, 74.9590, 62.9573

### Protanopia

70.8804, 74.9590, 62.9573

### Deuteranopia

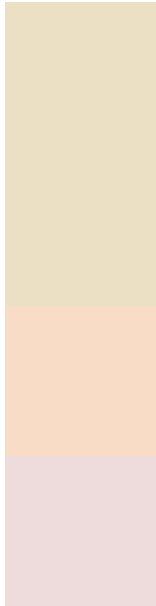
76.3617, 75.0092, 64.4864



## **Tritanopia**

76.0020, 74.6662, 89.0035

# Trichromacy



## Original Color

70.8804, 74.9590, 62.9573

## Protanomaly

70.8804, 74.9590, 62.9573

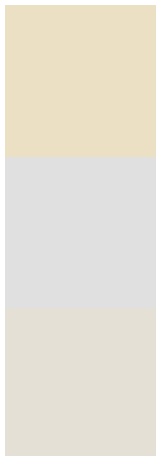
## Deuteranomaly

74.4976, 75.2201, 64.0186

## Tritanomaly

73.9042, 74.5840, 78.9076

# Monochromacy



## Original Color

70.8804, 74.9590, 62.9573

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.7882, 74.6603, 74.2983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8804, 74.9590, 62.9573 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(235, 224, 196) looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 196)  
}
```

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(235, 224, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8804, 74.9590, 62.9573 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(235, 224, 196) }
```



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

```
.border{ border-color:rgb(235, 224, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 196);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8804, 74.9590, 62.9573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 196) }
```

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

```
.background{ background-color: rgb(235,  
224, 196) }
```

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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