

# Converting Colors

XYZ(70.7669, 74.9136, 62.3597)

Have a look what the booklet for  
XYZ(70.7669, 74.9136, 62.3597)  
contains.

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# **Color**

**XYZ(70.7669, 74.9136,  
62.3597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE0C3
RGB	235, 224, 195
RGB Percent	92%, 88%, 76%
CMY	0.0784, 0.1215, 0.2353
CMYK	0.00, 0.05, 0.17, 0.08
HSL	44°, 50%, 84%
HSV	44°, 17%, 92%
XYZ	70.7669, 74.9136, 62.3597
YIQ	223.9830, 15.8650, -6.6870

# Conversions

## Conversions Part 2

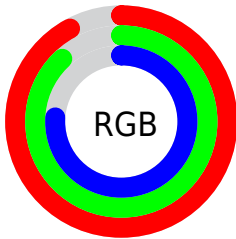
Format	Color
R <sub>Y</sub> B	210, 235, 195
Decimal	15458499
CIE Lab	89.35, -0.93, 15.55
CIE LCh	89, 15.580, 93.420
Yxy	74.9136, 0.3402, 0.3601
Android (android.graphics.Color)	4293648579 (0xFFEBE0C3)
YUV	223.9830, -14.2886, 9.6619
Hunter-Lab	86.5526, -5.5225, 17.8694

# Details

The XYZ color **70.7669, 74.9136, 62.3597** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.5721, 61.7415, 87.3752**, and the grayscale version is **70.9320, 74.6260, 81.2677**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **37.5861, 39.8827, 30.9164** is the 20% darker color. If you saturate the color by 10%, you get **66.6136, 70.5295, 48.8819**, and if you desaturate by 10%, it is **75.4084, 79.6036, 78.0651**.

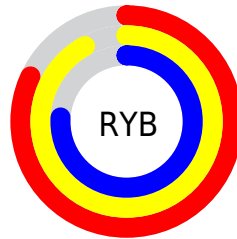
# Distribution



Red (92%)

Green (88%)

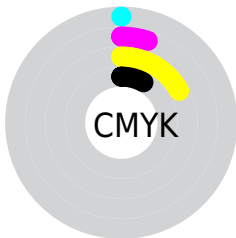
Blue (76%)



Red (82%)

Yellow (92%)

Blue (76%)

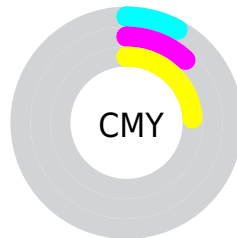


Cyan (0%)

Magenta (5%)

Yellow (17%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7669, 74.9136, 62.3597 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 70.7669, 74.9136, 62.3597 by changing the saturation by 10% instead.



70.7669, 74.9136,  
62.3597

70.7669, 74.9136,  
62.3597

452.4627,  
477.6206, 451.2858

52.4338, 55.5421,  
44.8857

119.3221,  
126.1901, 109.8219

37.5767, 39.8359,  
31.0251

150.2749,  
158.8638, 140.6471

25.8300, 27.4106,  
20.3594

186.1650,  
196.7404, 176.7600

16.8285, 17.8819,  
12.4699

227.3578,  
240.2043, 218.5788

10.2069, 10.8652,  
6.9381

274.2186,  
289.6399, 266.5223

5.5996, 5.9763,  
3.3456

327.1128,

2.6415, 2.8307,

345.4315, 321.0089

1.2737

386.4057,  
407.9636, 382.4572

■ 0.9672, 1.0440,  
0.0401

■ 0.0000, 0.0000,  
0.0000

■ 70.7669, 74.9136,  
62.3597

■ 70.7669, 74.9136,  
62.3597

■ 66.6136, 70.5295,  
48.8819

■ 75.4084, 79.6036,  
78.0651

■ 62.9224, 66.4320,  
37.5239

■ 80.5510, 84.5982,  
96.0895

■ 59.6732, 62.6146,  
28.1762

■ 84.4770, 89.2140,  
107.3753

■ 56.8425, 59.0666,  
20.7174

■ 86.4484, 93.1568,  
108.0325

■ 54.4040, 55.7762,  
15.0129

■ 88.0712, 96.4023,  
108.5734

■ 52.3279, 52.7304,  
10.9102

■ 50.5797, 49.9140,  
8.2307

■ 49.1147, 47.3080,  
6.7438

■ 48.7118, 46.5635,  
6.4203

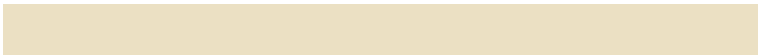
# Harmonies

## Analogous

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



74.5329, 74.9136, 64.2010



70.7669, 74.9136, 62.3597



67.2426, 74.9136, 65.2742

# Triad

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



70.7669, 74.9136, 62.3597



65.2598, 74.9136, 93.6825



77.9603, 74.9136, 91.3246

# Complementary

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



70.7669, 74.9136, 62.3597



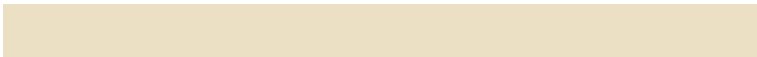
59.5721, 61.7415, 87.3752

# Split Complementary

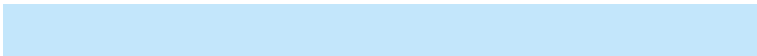
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3162, 74.9136, 100.3704



70.7669, 74.9136, 62.3597



67.9740, 74.9136, 101.8149

# Square

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



70.7669, 74.9136, 62.3597



64.1353, 74.9136, 82.8265



71.6411, 74.9136, 104.3642



78.7720, 74.9136, 80.3227



# Rectangle

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



70.7669, 74.9136, 62.3597



65.4788, 74.9136, 69.6885



71.6411, 74.9136, 104.3642



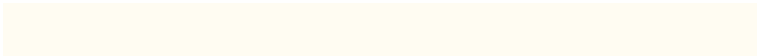
77.2517, 74.9136, 94.7265

# Sweetspot

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



70.7689, 74.9169, 62.3613



91.9567, 96.9901, 98.0757



64.9580, 61.1658, 66.9885



19.5921, 20.6709, 20.6789



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.



70.7689, 74.9169, 62.3613



83.5888, 88.5191, 69.8070



71.0280, 79.5801, 63.2477



15.9816, 16.8861, 15.9357



27.2222, 26.1387, 3.6105



2.2172, 2.2118, 0.3101



# Inverse Universe

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



59.5721, 61.7415, 87.3752



68.0281, 70.2099, 104.5741



59.3220, 57.8197, 86.6314



14.5682, 15.2228, 19.0927



9.4763, 5.5995, 44.3243

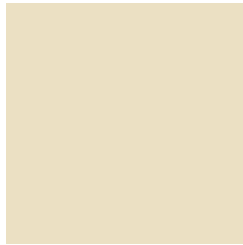


0.8222, 0.5959, 3.5066



# Previews

## White Background



This preview shows how the XYZ color 70.7669, 74.9136, 62.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

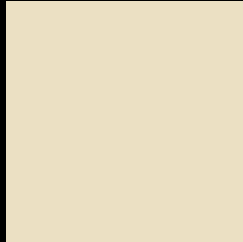
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7669, 74.9136, 62.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

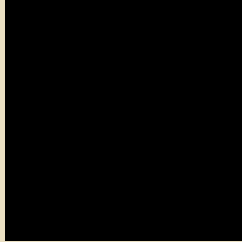
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

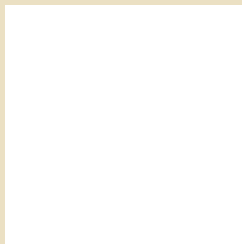
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.7669, 74.9136, 62.3597**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7669, 74.9136, 62.3597.



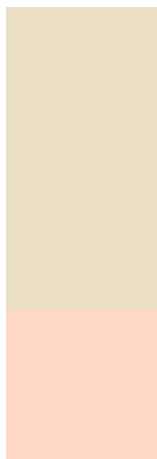
This preview shows how white text looks on a background with the XYZ color 70.7669, 74.9136,



# 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

70.7669, 74.9136, 62.3597

### Protanopia

70.7669, 74.9136, 62.3597

### Deuteranopia

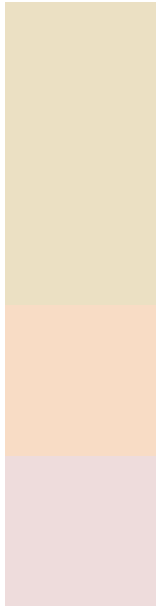
76.2459, 74.9629, 63.8768



## Tritanopia

76.0020, 74.6662, 89.0035

# Trichromacy



## Original Color

70.7669, 74.9136, 62.3597

## Protanomaly

70.7669, 74.9136, 62.3597

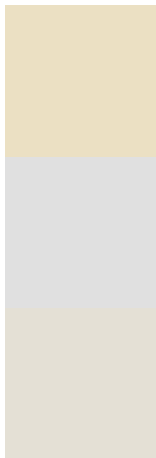
## Deuteranomaly

74.3826, 75.1741, 63.4130

## Tritanomaly

73.7714, 74.5308, 78.2079

# Monochromacy



## Original Color

70.7669, 74.9136, 62.3597

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.6608, 74.6094, 73.6276

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7669, 74.9136, 62.3597 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7669, 74.9136, 62.3597 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, 195) }
```



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

```
.border{ border-color:rgb(235, 224, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 195);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7669, 74.9136, 62.3597 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, 195) }
```

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

```
.background{ background-color: rgb(235,  
224, 195) }
```

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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