

# Converting Colors

XYZ(70.8082, 75.2115, 74.0166)

Have a look what the booklet for  
XYZ(70.8082, 75.2115, 74.0166)  
contains.

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# Color

**XYZ(70.6140, 74.9854,  
73.7027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E1D5
RGB	227, 225, 213
RGB Percent	89%, 88%, 84%
CMY	0.1098, 0.1176, 0.1647
CMYK	0.00, 0.01, 0.06, 0.11
HSL	51°, 20%, 86%
HSV	51°, 6%, 89%
XYZ	70.6140, 74.9854, 73.7027
YIQ	224.2300, 5.0440, -3.3080

# Conversions

## Conversions Part 2

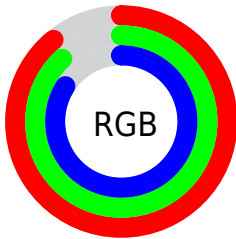
Format	Color
R <sub>Y</sub> B	215, 227, 213
Decimal	14934485
CIE Lab	89.39, -1.40, 6.09
CIE LCh	89, 6.254, 102.945
Yxy	74.9854, 0.3220, 0.3419
Android (android.graphics.Color)	4293124565 (0xFFE3E1D5)
YUV	224.2300, -5.5364, 2.4293
Hunter-Lab	86.5941, -5.9802, 10.1525

# Details

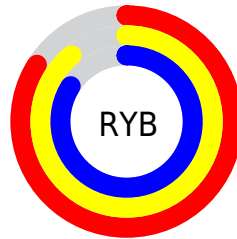
The XYZ color **70.6140, 74.9854, 73.7027** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6061, 68.2921, 82.3978**, and the grayscale version is **71.0536, 74.7539, 81.4070**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5595, 39.9887, 38.0867** is the 20% darker color. If you saturate the color by 10%, you get **67.0663, 72.1822, 59.2860**, and if you desaturate by 10%, it is **74.5858, 77.9897, 90.2524**.

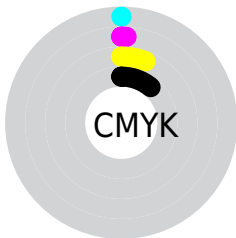
# Distribution



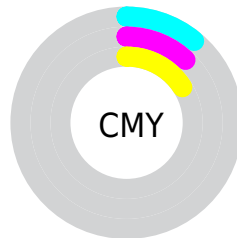
- Red (89%)
- Green (88%)
- Blue (84%)



- Red (84%)
- Yellow (89%)
- Blue (84%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (11%)



- Cyan (11%)
- Magenta (12%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6140, 74.9854, 73.7027 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 70.6140, 74.9854, 73.7027 by changing the saturation by 10% instead.



■ 70.6140, 74.9854,  
73.7027

■ 70.6140, 74.9854,  
73.7027

451.9358,  
477.8674, 492.5826

■ 52.3087, 55.6009,  
54.0554

119.1054,  
126.2917, 126.2044

■ 37.4764, 39.8831,  
38.2525

150.0223,  
158.9823, 159.8960

■ 25.7519, 27.4474,  
25.8754

185.8736,  
196.8771, 199.1060

■ 16.7699, 17.9095,  
16.5055

227.0248,  
240.3604, 244.2531

■ 10.1648, 10.8850,  
9.7243

273.8413,  
289.8168, 295.7557

■ 5.5715, 5.9896,  
5.1134

326.6884,

■ 2.6245, 2.8387,

345.6304, 354.0325

2.2540

385.9314,  
408.1858, 419.5019

■ 0.9584, 1.0481,  
0.7053

■ 0.0000, 0.0000,  
0.0000

■ 70.6140, 74.9854,  
73.7027

■ 70.6140, 74.9854,  
73.7027

■ 67.0663, 72.1822,  
59.2860

■ 74.5858, 77.9897,  
90.2524

■ 63.9197, 69.5634,  
46.9096

■ 78.4387, 80.9706,  
106.1025

■ 61.1584, 67.1249,  
36.4812

■ 79.3553, 82.8038,  
106.4080

■ 58.7631, 64.8590,  
27.8997

■ 80.2887, 84.6707,  
106.7192

■ 56.7128, 62.7569,  
21.0546

■ 81.2391, 86.5715,  
107.0360

■ 54.9841, 60.8093,  
15.8238

■ 82.2066, 88.5064,  
107.3584

■ 53.5507, 59.0055,  
12.0692

■ 83.1911, 90.4754,  
107.6866

■ 52.3820, 57.3331,  
9.6298

■ 84.1928, 92.4789,  
108.0205

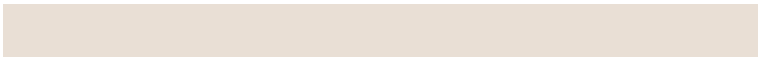
■ 51.4398, 55.7766,  
8.3046

■ 85.2118, 94.5169,  
108.3602

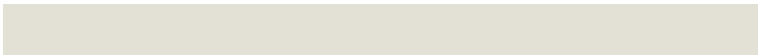
# Harmonies

## Analogous

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



72.1382, 74.9854, 73.8490



70.6140, 74.9854, 73.7027



69.2846, 74.9854, 75.6294

# Triad

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



70.6140, 74.9854, 73.7027



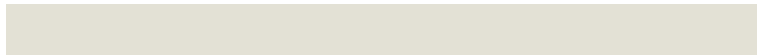
69.1382, 74.9854, 87.5256



74.1228, 74.9854, 84.1440

# Complementary

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



70.6140, 74.9854, 73.7027



65.6061, 68.2921, 82.3978

# Split Complementary

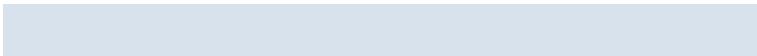
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2957, 74.9854, 87.9743



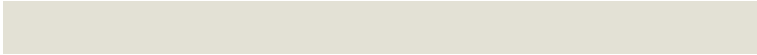
70.6140, 74.9854, 73.7027



70.4115, 74.9854, 89.9741

# Square

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



70.6140, 74.9854, 73.7027



68.4408, 74.9854, 83.5494



71.9328, 74.9854, 90.1412



74.1789, 74.9854, 79.7724



# Rectangle

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



70.6140, 74.9854, 73.7027



68.6819, 74.9854, 77.8715



71.9328, 74.9854, 90.1412



73.9252, 74.9854, 85.5413

# Sweetspot

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



70.6161, 74.9887, 73.7043



94.0081, 99.2129, 104.5555



67.7524, 68.8320, 74.0734



20.1325, 21.2439, 22.4247



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

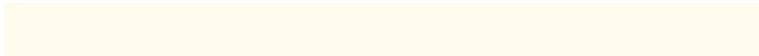


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6161, 74.9887, 73.7043



91.5016, 97.2904, 94.1920



69.6351, 75.2886, 73.8139



15.5711, 16.5686, 15.8961



29.8751, 32.3244, 4.6646



2.2559, 2.4851, 0.3608



# Inverse Universe

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



65.6061, 68.2921, 82.3978



84.0954, 87.3909, 107.0436



66.5440, 68.0257, 82.2969



14.2181, 14.7600, 18.2439



8.4434, 3.9490, 42.7004

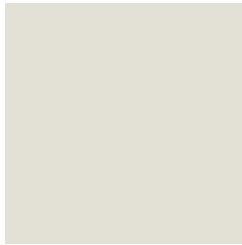


0.6765, 0.3968, 3.1729



# Previews

## White Background



This preview shows how the XYZ color 70.6140, 74.9854, 73.7027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

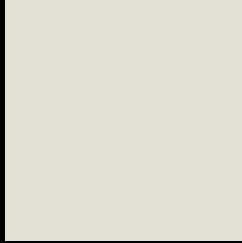
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6140, 74.9854, 73.7027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

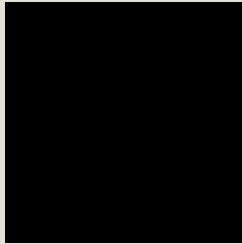
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

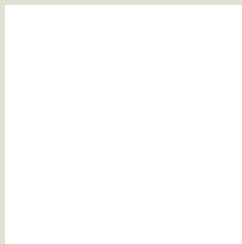
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.6140, 74.9854, 73.7027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6140, 74.9854, 73.7027.



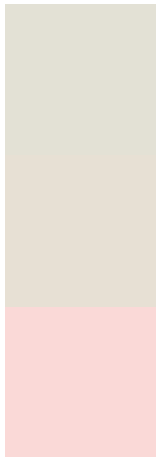
This preview shows how white text looks on a background with the XYZ color 70.6140, 74.9854,



# 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

70.6140, 74.9854, 73.7027

### Protanopia

71.4943, 75.0537, 73.0060

### Deuteranopia

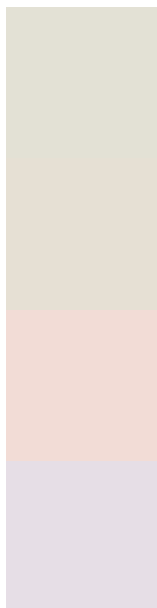
76.5029, 74.8560, 74.7065



## Tritanopia

74.3914, 74.9338, 92.2042

# Trichromacy



## Original Color

70.6140, 74.9854, 73.7027

## Protanomaly

71.1724, 74.8878, 72.9909

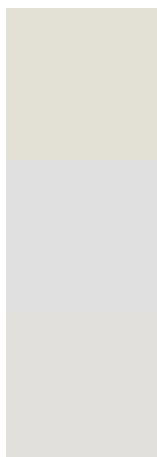
## Deuteranomaly

74.3487, 74.9187, 74.1605

## Tritanomaly

73.0373, 74.7787, 85.4472

# Monochromacy



## Original Color

70.6140, 74.9854, 73.7027

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.6253, 74.4862, 78.3651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6140, 74.9854, 73.7027 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(227, 225, 213) looks like.

```
.text, #text, p{  
    color:rgb(227, 225, 213)  
}
```

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(227, 225, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 225, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6140, 74.9854, 73.7027 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(227, 225, 213) }
```



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

```
.border{ border-color:rgb(227, 225, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 225, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 225, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 225, 213);  
box-shadow:4px 4px 4px 4px rgb(227, 225,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6140, 74.9854, 73.7027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 225, 213) }
```

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

```
.background{ background-color: rgb(227,  
225, 213) }
```

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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