

# Converting Colors

XYZ(73.1970, 78.4773, 67.1668)

Have a look what the booklet for  
XYZ(73.1970, 78.4773, 67.1668)  
contains.

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# **Color**

**XYZ(73.2184, 78.5201,  
67.1740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE6CA
RGB	235, 230, 202
RGB Percent	92%, 90%, 79%
CMY	0.0784, 0.0980, 0.2078
CMYK	0.00, 0.02, 0.14, 0.08
HSL	51°, 45%, 86%
HSV	51°, 14%, 92%
XYZ	73.2184, 78.5201, 67.1740
YIQ	228.3030, 11.9680, -7.6480

# Conversions

## Conversions Part 2

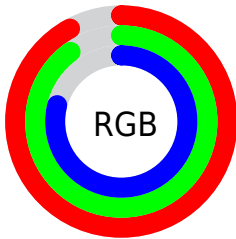
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 235, 202
Decimal	15460042
CIE Lab	91.02, -2.93, 14.25
CIE LCh	91, 14.550, 101.613
Yxy	78.5201, 0.3345, 0.3587
Android (android.graphics.Color)	4293650122 (0xFFE6E6CA)
YUV	228.3030, -12.9674, 5.8733
Hunter-Lab	88.6116, -7.5784, 17.0820

# Details

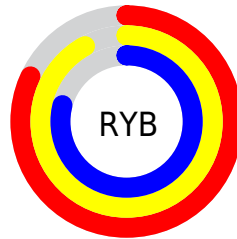
The XYZ color **73.2184, 78.5201, 67.1740** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **61.6651, 63.1790, 87.5424**, and the grayscale version is **74.0523, 77.9087, 84.8426**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2657, 42.3818, 34.1279** is the 20% darker color. If you saturate the color by 10%, you get **69.6661, 75.5340, 53.2918**, and if you desaturate by 10%, it is **77.2189, 81.7230, 83.2979**.

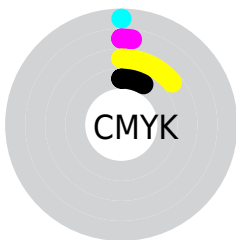
# Distribution



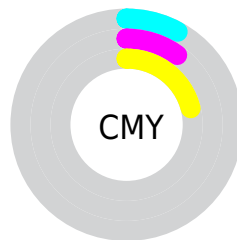
- Red (92%)
- Green (90%)
- Blue (79%)



- Red (82%)
- Yellow (92%)
- Blue (79%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2184, 78.5201, 67.1740 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 73.2184, 78.5201, 67.1740 by changing the saturation by 10% instead.



73.2184, 78.5201,  
67.1740

73.2184, 78.5201,  
67.1740

460.8635,  
489.9314, 469.0822

54.4436, 58.5013,  
48.7636

122.7887,  
131.2830, 116.8127

39.1885, 42.2118,  
34.0677

154.3148,  
164.7960, 148.8781

27.0878, 29.2672,  
22.6678

190.8221,  
203.5758, 186.3321

17.7761, 19.2830,  
14.1454

232.6760,  
248.0068, 229.5935

10.8881, 11.8750,  
8.0820

280.2417,  
298.4735, 279.0806

6.0583, 6.6586,  
4.0589

333.8846,

2.9216, 3.2495,

355.3602, 335.2121

1.6577

393.9701,  
419.0514, 398.4064

■ 1.1124, 1.2633,  
0.3315

■ 0.0355, 0.1126,  
0.0000

■ 73.2184, 78.5201,  
67.1740

■ 73.2184, 78.5201,  
67.1740

■ 69.6661, 75.5340,  
53.2918

■ 77.2189, 81.7230,  
83.2979

■ 66.5365, 72.7466,  
41.5457

■ 81.6793, 85.1398,  
101.7528

■ 63.8110, 70.1526,  
31.8290

■ 83.6709, 87.6017,  
107.1066

■ 61.4671, 67.7431,  
24.0239

■ 84.7322, 89.7244,  
107.4604

■ 59.4799, 65.5079,  
18.0002

■ 85.8143, 91.8885,  
107.8211

■ 57.8217, 63.4355,  
13.6118

■ 86.9171, 94.0941,  
108.1887

■ 56.4600, 61.5130,  
10.6893

■ 88.0408, 96.3415,  
108.5633

■ 55.3556, 59.7243,  
9.0259

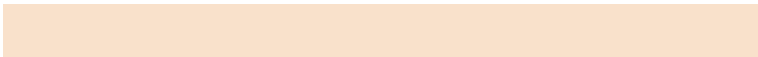
■ 88.0712, 96.4023,  
108.5734

■ 54.7839, 58.7077,  
8.4443

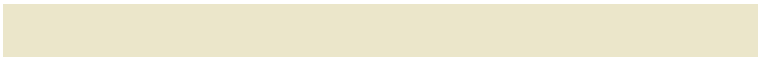
# Harmonies

## Analogous

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



76.8810, 78.5201, 67.7021



73.2184, 78.5201, 67.1740



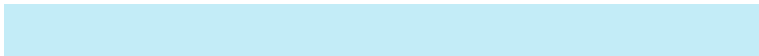
70.0385, 78.5201, 71.2471

# Triad

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



73.2184, 78.5201, 67.1740



69.4744, 78.5201, 99.6427



81.5354, 78.5201, 92.0351

# Complementary

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



73.2184, 78.5201, 67.1740



61.6651, 63.1790, 87.5424

# Split Complementary

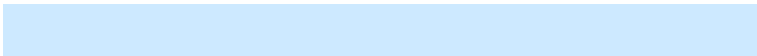
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.4200, 78.5201, 101.5261



73.2184, 78.5201, 67.1740



72.4254, 78.5201, 106.1605

# Square

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



73.2184, 78.5201, 67.1740



67.9248, 78.5201, 89.6314



76.0617, 78.5201, 106.8768

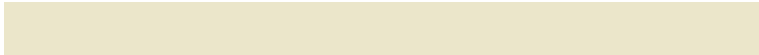


81.7647, 78.5201, 81.4880



# Rectangle

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



73.2184, 78.5201, 67.1740



68.5887, 78.5201, 76.2350



76.0617, 78.5201, 106.8768



81.0181, 78.5201, 95.4761

# Sweetspot

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



73.2205, 78.5236, 67.1757



92.9604, 98.3793, 100.3158



66.7060, 64.4338, 68.2747



19.8154, 20.9930, 21.1370



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

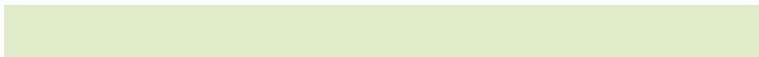
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2205, 78.5236, 67.1757



86.7819, 93.4006, 75.5103



71.1102, 79.5288, 67.4809



16.1464, 17.2159, 15.9907



30.5651, 32.8244, 4.7248



2.4527, 2.6828, 0.3886



# Inverse Universe

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



61.6651, 63.1790, 87.5424



70.2269, 71.4176, 104.6914



63.5574, 62.3865, 87.2897



14.4152, 14.9169, 19.0417



8.7469, 4.1408, 44.0812

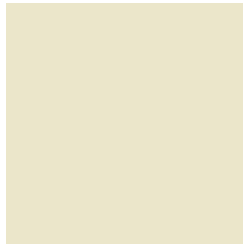


0.7433, 0.4381, 3.4803



# Previews

## White Background



This preview shows how the XYZ color 73.2184, 78.5201, 67.1740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

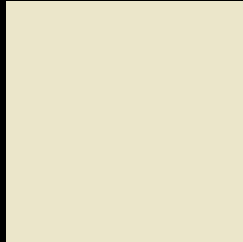
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2184, 78.5201, 67.1740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

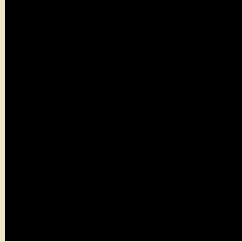
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

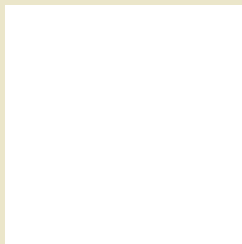
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.2184, 78.5201, 67.1740

## Background



This preview shows how black text looks on a background with the XYZ color 73.2184, 78.5201, 67.1740.



This preview shows how white text looks on a background with the XYZ color 73.2184, 78.5201,



# 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

73.2184, 78.5201, 67.1740

### Protanopia

74.4971, 78.7809, 66.5382

### Deuteranopia

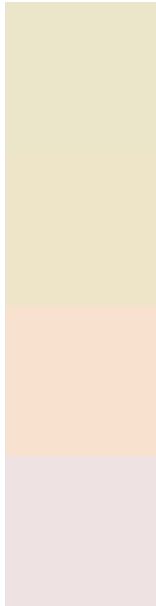
78.8699, 78.1060, 71.2407



## Tritanopia

78.9583, 78.4229, 94.9800

# Trichromacy



## Original Color

73.2184, 78.5201, 67.1740

## Protanomaly

73.8218, 78.4328, 66.5066

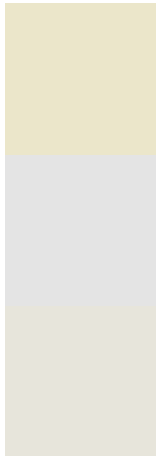
## Deuteranomaly

76.7772, 78.2631, 69.4522

## Tritanomaly

76.6581, 78.2895, 83.7441

# Monochromacy



## Original Color

73.2184, 78.5201, 67.1740

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.7605, 78.1420, 78.2132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2184, 78.5201, 67.1740 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, 230, 202)` looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 202)  
}
```

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, 230, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2184, 78.5201, 67.1740 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, 230, 202) }
```



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

```
.border{ border-color:rgb(235, 230, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 230, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 202);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2184, 78.5201, 67.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 202) }
```

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

```
.background{ background-color: rgb(235,  
230, 202) }
```

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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