

# Converting Colors

XYZ(70.4377, 78.6915, 70.8866)

Have a look what the booklet for  
XYZ(70.4377, 78.6915, 70.8866)  
contains.

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# Color

**XYZ(70.6268, 78.7719,  
71.1566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDEAD0
RGB	221, 234, 208
RGB Percent	87%, 92%, 82%
CMY	0.1333, 0.0823, 0.1843
CMYK	0.06, 0.00, 0.11, 0.08
HSL	90°, 38%, 87%
HSV	90°, 11%, 92%
XYZ	70.6268, 78.7719, 71.1566
YIQ	227.1490, 0.5980, -10.8420

# Conversions

## Conversions Part 2

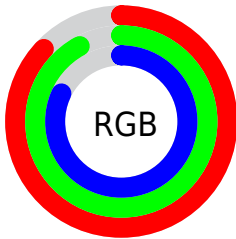
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 234, 221
Decimal	14543568
CIE Lab	91.13, -8.89, 11.15
CIE LCh	91, 14.262, 128.582
Yxy	78.7719, 0.3202, 0.3572
Android (android.graphics.Color)	4292733648 (0xFFDDEAD0)
YUV	227.1490, -9.4405, -5.3927
Hunter-Lab	88.7535, -13.2749, 14.5928

# Details

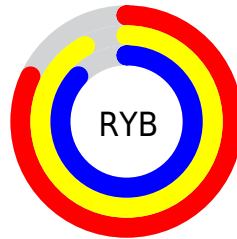
The XYZ color **70.6268, 78.7719, 71.1566** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.2291, 66.4266, 87.1244**, and the grayscale version is **73.1902, 77.0018, 83.8549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4790, 42.2809, 36.7575** is the 20% darker color. If you saturate the color by 10%, you get **64.5184, 75.9337, 56.9348**, and if you desaturate by 10%, it is **77.4128, 81.9149, 87.6307**.

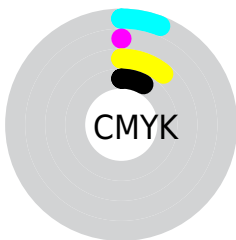
# Distribution



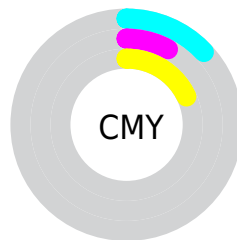
- Red (87%)
- Green (92%)
- Blue (82%)



- Red (82%)
- Yellow (92%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6268, 78.7719, 71.1566 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 70.6268, 78.7719, 71.1566 by changing the saturation by 10% instead.



70.6268, 78.7719,  
71.1566

70.6268, 78.7719,  
71.1566

451.9799,  
490.7843, 483.4991

52.3191, 58.7083,  
51.9874

119.1236,  
131.6377, 122.5532

37.4848, 42.3783,  
36.6128

150.0434,  
165.2087, 155.6177

25.7585, 29.3977,  
24.6144

185.8980,  
204.0509, 194.1510

16.7748, 19.3818,  
15.5736

227.0527,  
248.5487, 238.5717

10.1683, 11.9465,  
9.0719

273.8729,  
299.0866, 289.2983

5.5738, 6.7073,  
4.6906

326.7239,

2.6259, 3.2797,

356.0489, 346.7494

2.0114

385.9712,  
419.8200, 411.3435

■ 0.9592, 1.2794,  
0.5623

■ 0.0000, 0.1252,  
0.0000

■ 70.6268, 78.7719,  
71.1566

■ 70.6268, 78.7719,  
71.1566

■ 64.5184, 75.9337,  
56.9348

■ 77.4128, 81.9149,  
87.6307

■ 59.0575, 73.3800,  
44.8622

■ 84.8921, 85.3620,  
106.4437

■ 54.2212, 71.1038,  
34.8356

■ 88.7144, 87.3288,  
106.7881

■ 49.9826, 69.0934,  
26.7411

■ 46.3124, 67.3367,  
20.4537

■ 43.1783, 65.8201,  
15.8336

■ 40.5441, 64.5283,  
12.7207

■ 38.3671, 63.4435,  
10.9233

■ 36.7578, 62.6293,  
10.1513

# Harmonies

## Analogous

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



73.8399, 78.7719, 67.5854



70.6268, 78.7719, 71.1566



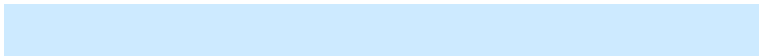
68.5960, 78.7719, 78.7166

# Triad

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



70.6268, 78.7719, 71.1566



72.3655, 78.7719, 105.6265



81.9416, 78.7719, 82.8386

# Complementary

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



70.6268, 78.7719, 71.1566



67.2291, 66.4266, 87.1244

# 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.



81.5160, 78.7719, 93.2310



70.6268, 78.7719, 71.1566



75.9103, 78.7719, 106.9529

# Square

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



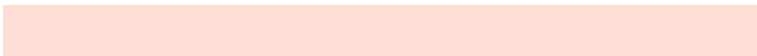
70.6268, 78.7719, 71.1566



69.5772, 78.7719, 98.7657



79.2805, 78.7719, 102.2568



80.4254, 78.7719, 73.9660



# Rectangle

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



70.6268, 78.7719, 71.1566



68.1471, 78.7719, 85.2784



79.2805, 78.7719, 102.2568



82.0219, 78.7719, 86.2619

# Sweetspot

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



70.6289, 78.7753, 71.1583



92.4490, 98.7986, 102.4766



71.1763, 73.7624, 70.1619



19.6419, 21.0795, 21.5761



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.



70.6289, 78.7753, 71.1583



84.3264, 95.0361, 82.9012



66.8227, 76.8131, 70.9802



15.5858, 17.2320, 16.0234



20.8000, 35.2673, 5.7110



1.7442, 2.8265, 0.4536



# Inverse Universe

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



67.2291, 66.4266, 87.1244



79.5353, 77.6343, 105.4007



71.3419, 68.5469, 87.3169



14.9490, 14.9190, 19.0140



12.6151, 5.5392, 44.1473

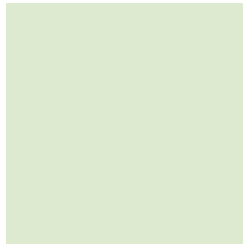


1.1015, 0.4922, 3.4718



# Previews

## White Background



This preview shows how the XYZ color 70.6268, 78.7719, 71.1566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

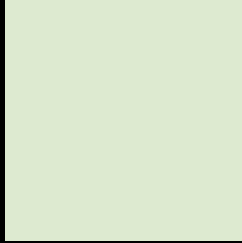
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6268, 78.7719, 71.1566 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

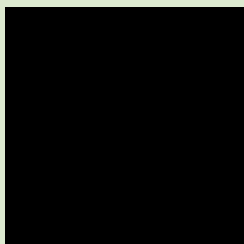
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

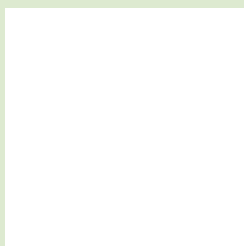
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.6268, 78.7719, 71.1566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.6268, 78.7719, 71.1566.



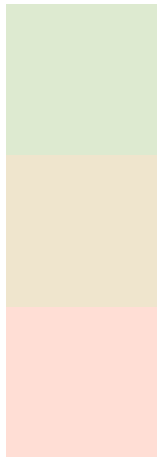
This preview shows how white text looks on a background with the XYZ color 70.6268, 78.7719,

71.1566.

# 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

70.6268, 78.7719, 71.1566

### Protanopia

74.6354, 78.7971, 69.0333

### Deuteranopia

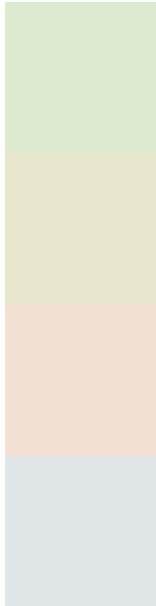
79.3715, 78.3066, 73.8822



## Tritanopia

76.2105, 78.5331, 99.1374

# Trichromacy



## Original Color

70.6268, 78.7719, 71.1566

## Protanomaly

72.9952, 78.7639, 69.7482

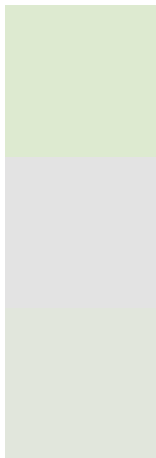
## Deuteranomaly

75.9164, 78.1505, 72.7114

## Tritanomaly

74.0561, 78.4844, 88.3366

# Monochromacy



## Original Color

70.6268, 78.7719, 71.1566

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.2664, 77.7685, 78.9121

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6268, 78.7719, 71.1566 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(221, 234, 208)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 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(221, 234, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6268, 78.7719, 71.1566 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(221, 234, 208) }
```



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

```
.border{ border-color:rgb(221, 234, 208) }
```

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

Here you see how a box with a 4 pixel rgb(221, 234, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 208);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6268, 78.7719, 71.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 208) }
```

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

```
.background{ background-color: rgb(221,  
234, 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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