

# Converting Colors

XYZ(70.4841, 76.7894, 43.2752)

Have a look what the booklet for  
XYZ(70.4841, 76.7894, 43.2752)  
contains.

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# Color

**XYZ(70.5329, 76.8327,  
43.4605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E49E
RGB	242, 228, 158
RGB Percent	95%, 89%, 62%
CMY	0.0510, 0.1059, 0.3804
CMYK	0.00, 0.06, 0.35, 0.05
HSL	50°, 76%, 78%
HSV	50°, 35%, 95%
XYZ	70.5329, 76.8327, 43.4605
YIQ	224.2060, 30.8140, -18.8020

# Conversions

## Conversions Part 2

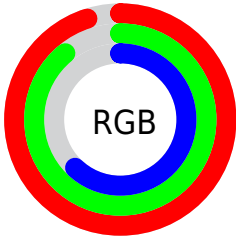
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 242, 158
Decimal	15918238
CIE <sub>Lab</sub>	90.24, -5.27, 35.92
CIE <sub>LCh</sub>	90, 36.309, 98.353
Yxy	76.8327, 0.3696, 0.4026
Android (android.graphics.Color)	4294108318 (0xFFFF2E49E)
YUV	224.2060, -32.6396, 15.6053
Hunter-Lab	87.6543, -9.7611, 31.9610

# Details

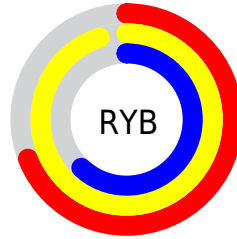
The XYZ color **70.5329, 76.8327, 43.4605** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.8798, 43.1837, 89.9742**, and the grayscale version is **71.2112, 74.9198, 81.5876**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **37.5527, 41.2420, 19.6169** is the 20% darker color. If you saturate the color by 10%, you get **67.5561, 73.8907, 33.1838**, and if you desaturate by 10%, it is **73.9497, 79.9976, 55.9092**.

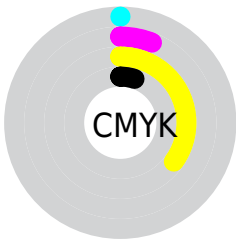
# Distribution



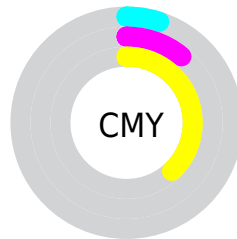
- Red (95%)
- Green (89%)
- Blue (62%)



- Red (69%)
- Yellow (95%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (35%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5329, 76.8327, 43.4605 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 70.5329, 76.8327, 43.4605 by changing the saturation by 10% instead.





 70.5329, 76.8327,  
43.4605

 70.5329, 76.8327,  
43.4605


451.6562,  
484.1934, 376.4789

 52.2423, 57.1156,  
29.9125


 118.9905,  
128.9033, 81.6991

 37.4233, 41.0980,  
19.5207


 149.8882,  
162.0256, 107.2268

 25.7106, 28.3957,  
11.8665


185.7190,  
200.3850, 137.5849

 16.7388, 18.6242,  
6.5314

226.8482,  
244.3660, 173.1918

 10.1426, 11.3990,  
3.0969

273.6411,  
294.3529, 214.4661

 5.5566, 6.3359,  
1.1443

326.4632,

 2.6155, 3.0504,

350.7302, 261.8263

0.0000

385.6798,  
413.8822, 315.6911

■ 0.9538, 1.1581,  
0.0000

■ 0.0000, 0.0271,  
0.0000

■ 70.5329, 76.8327,  
43.4605

■ 70.5329, 76.8327,  
43.4605

■ 67.5561, 73.8907,  
33.1838

■ 73.9497, 79.9976,  
55.9092

■ 64.9891, 71.1509,  
24.9468

■ 77.8230, 83.3840,  
70.6421

■ 62.8068, 68.6059,  
18.6104

■ 82.1755, 87.0041,  
87.7695

■ 60.9791, 66.2432,  
14.0158

■ 87.0268, 90.8658,  
107.3930

■ 59.4708, 64.0486,  
10.9786

■ 88.2859, 93.3332,  
107.9697

■ 58.2386, 62.0044,  
9.2727

■ 89.5399, 95.8412,  
108.3877

■ 57.6643, 60.9700,  
8.7292

■ 90.4279, 97.6172,  
108.6837

# Harmonies

## Analogous

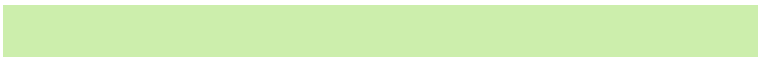
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6241, 76.8327, 45.4155



70.5329, 76.8327, 43.4605



62.7707, 76.8327, 50.3961

# Triad

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



70.5329, 76.8327, 43.4605



60.2349, 76.8327, 118.4773



90.3910, 76.8327, 103.3834

# Complementary

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



70.5329, 76.8327, 43.4605



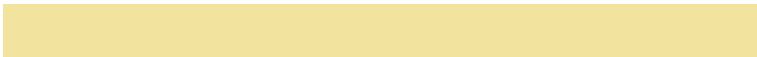
44.8798, 43.1837, 89.9742

# 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.



84.3441, 76.8327, 129.0472



70.5329, 76.8327, 43.4605



66.8051, 76.8327, 138.9371

# Square

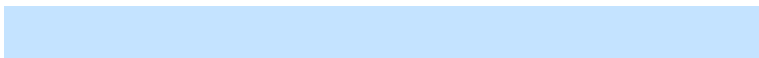
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5329, 76.8327, 43.4605



57.1543, 76.8327, 91.0941



75.5796, 76.8327, 143.1596



91.5963, 76.8327, 76.6375

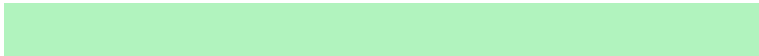


# Rectangle

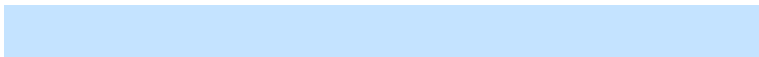
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5329, 76.8327, 43.4605



59.2159, 76.8327, 60.1768



75.5796, 76.8327, 143.1596



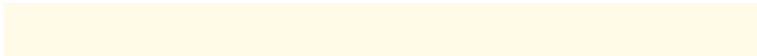
88.8346, 76.8327, 112.5678

# Sweetspot

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



70.5348, 76.8362, 43.4621



89.8725, 95.7845, 88.2468



56.2918, 46.3104, 45.0026



19.0903, 20.3797, 18.3152



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

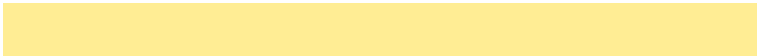


# Same Dimension

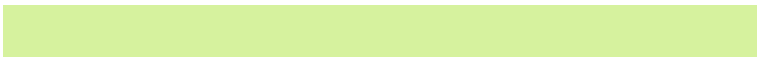
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5348, 76.8362, 43.4621



76.9072, 84.0546, 40.1462



65.6557, 80.2692, 44.3819



16.8857, 17.9845, 16.7311



31.0648, 32.9277, 4.7184



2.6432, 2.8571, 0.4122



# Inverse Universe

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



44.8798, 43.1837, 89.9742



43.8341, 40.6855, 100.1505



48.5043, 41.3046, 89.4205



15.1100, 15.6541, 19.9468



9.0891, 4.4025, 45.4986

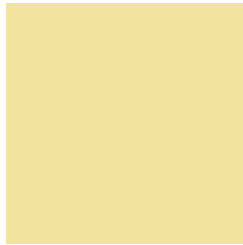


0.8177, 0.4894, 3.8056



# Previews

## White Background



This preview shows how the XYZ color 70.5329, 76.8327, 43.4605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

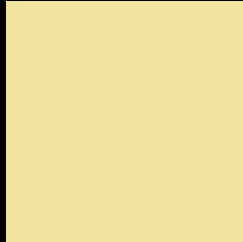
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5329, 76.8327, 43.4605 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 70.5329, 76.8327, 43.4605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5329, 76.8327, 43.4605.



This preview shows how white text looks on a background with the XYZ color 70.5329, 76.8327,



# 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

70.5329, 76.8327, 43.4605

### Protanopia

71.2968, 76.8193, 43.4176

### Deuteranopia

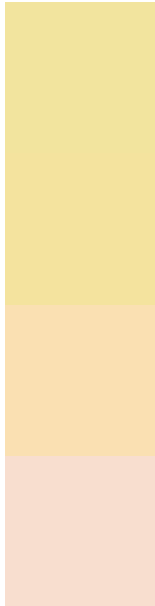
76.2818, 76.6470, 58.9180



## Tritanopia

79.8505, 76.6502, 89.1837

# Trichromacy



## Original Color

70.5329, 76.8327, 43.4605

## Protanomaly

70.9489, 76.6399, 43.4013

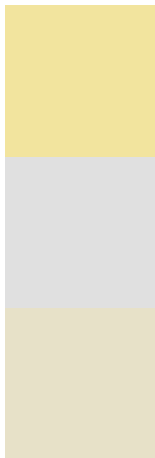
## Deuteranomaly

74.1159, 76.8497, 53.0466

## Tritanomaly

76.0952, 76.7040, 69.8262

# Monochromacy



## Original Color

70.5329, 76.8327, 43.4605

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.3055, 75.0095, 65.4164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5329, 76.8327, 43.4605 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(242, 228, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 158)  
}
```

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(242, 228, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5329, 76.8327, 43.4605 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(242, 228, 158) }
```



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

```
.border{ border-color:rgb(242, 228, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 158);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5329, 76.8327, 43.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 158) }
```

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

```
.background{ background-color: rgb(242,  
228, 158) }
```

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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