

# Converting Colors

XYZ(76.1855, 72.6347, 42.9875)

Have a look what the booklet for  
XYZ(76.1855, 72.6347, 42.9875)  
contains.

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# Color

**XYZ(70.5446, 69.8564,  
42.5664)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD29F
RGB	255, 210, 159
RGB Percent	100%, 82%, 62%
CMY	0.0000, 0.1764, 0.3765
CMYK	0.00, 0.18, 0.38, 0.00
HSL	32°, 100%, 81%
HSV	32°, 38%, 100%
XYZ	70.5446, 69.8564, 42.5664
YIQ	217.6410, 43.1910, -6.3210

# Conversions

## Conversions Part 2

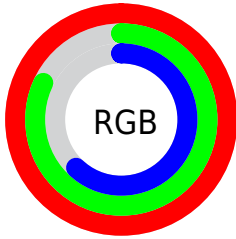
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 255, 159
Decimal	16765599
CIE <sub>Lab</sub>	86.93, 9.05, 31.22
CIE <sub>LCh</sub>	87, 32.506, 73.829
Yxy	69.8564, 0.3856, 0.3818
Android (android.graphics.Color)	4294955679 (0xFFFFD29F)
YUV	217.6410, -28.9100, 32.7638
Hunter-Lab	83.5801, 4.3951, 28.3104

# Details

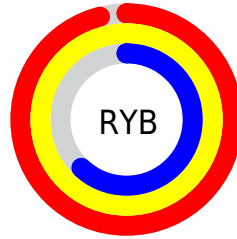
The XYZ color **70.5446, 69.8564, 42.5664** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.9402, 57.7746, 102.9164**, and the grayscale version is **66.5667, 70.0334, 76.2663**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **37.5683, 36.7088, 19.0154** is the 20% darker color. If you saturate the color by 10%, you get **65.7150, 63.3806, 31.1427**, and if you desaturate by 10%, it is **76.0546, 76.9621, 56.4704**.

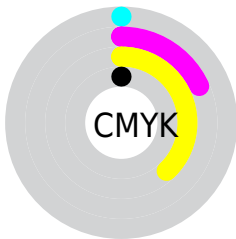
# Distribution



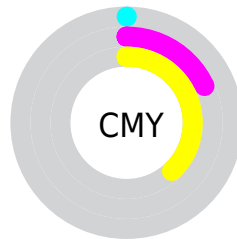
- Red (100%)
- Green (82%)
- Blue (62%)



- Red (96%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5446, 69.8564, 42.5664 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 70.5446, 69.8564, 42.5664 by changing the saturation by 10% instead.





 70.5446, 69.8564,  
42.5664


 70.5446, 69.8564,  
42.5664


451.6965,  
460.0456, 372.6942

 52.2518, 51.4095,  
29.2162


 119.0071,  
119.0039, 80.3355

 37.4309, 36.5346,  
18.9974

 149.9076,  
150.4734, 105.5914

 25.7165, 24.8474,  
11.4916

185.7413,  
187.0524, 135.6529

 16.7433, 15.9634,  
6.2802

226.8737,  
229.1254, 170.9387

 10.1458, 9.4982,  
2.9447

273.6700,  
277.0769, 211.8671

 5.5587, 5.0676,  
1.0665

326.4957,

 2.6168, 2.2870,

331.2911, 258.8568

0.0000

385.7161,  
392.1526, 312.3264

■ 0.9545, 0.7668,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.5446, 69.8564,  
42.5664

■ 70.5446, 69.8564,  
42.5664

■ 65.7150, 63.3806,  
31.1427

■ 76.0546, 76.9621,  
56.4704

■ 61.5275, 57.5041,  
22.0444

■ 82.2702, 84.7075,  
72.9881

■ 57.9475, 52.2076,  
15.1061

■ 89.2216, 93.1144,  
92.2484

■ 54.9342, 47.4666,  
10.1378

95.0500, 100.0000,  
108.9000

■ 52.4400, 43.2537,  
6.9162

■ 50.4040, 39.5354,  
5.1469

■ 49.9716, 38.7233,  
4.8405

# Harmonies

## Analogous

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



77.4913, 69.8564, 50.6333



70.5446, 69.8564, 42.5664



62.9688, 69.8564, 42.2668

# Triad

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



70.5446, 69.8564, 42.5664



53.2094, 69.8564, 86.4959



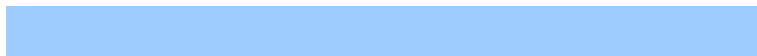
77.0246, 69.8564, 110.3748

# Complementary

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



70.5446, 69.8564, 42.5664



53.9402, 57.7746, 102.9164

# 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.



69.9462, 69.8564, 124.2941



70.5446, 69.8564, 42.5664



56.4145, 69.8564, 108.8333

# Square

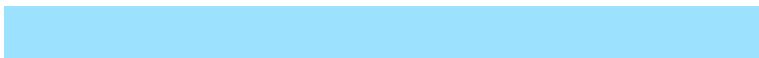
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.5446, 69.8564, 42.5664



53.3427, 69.8564, 65.0046



62.4141, 69.8564, 123.6815



81.4228, 69.8564, 88.3066



# Rectangle

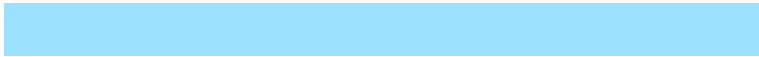
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.5446, 69.8564, 42.5664



58.5985, 69.8564, 46.3559



62.4141, 69.8564, 123.6815



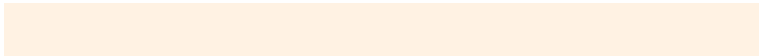
74.8572, 69.8564, 116.3341

# Sweetspot

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



70.5464, 69.8597, 42.5678



86.8067, 90.2202, 85.4759



64.7064, 50.4841, 64.3457



18.3764, 19.0650, 17.7287



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.



70.5464, 69.8597, 42.5678



66.9295, 65.0357, 33.9333



82.6720, 94.9810, 46.7776



18.8084, 19.5851, 18.9333



26.2622, 20.5356, 2.5796

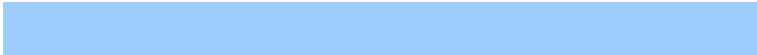


2.6665, 2.2183, 0.2876

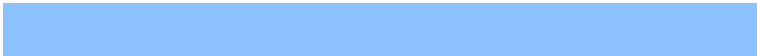


# Inverse Universe

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



53.9402, 57.7746, 102.9164



48.2064, 51.4151, 101.9911



45.0663, 39.5527, 99.8669



17.7049, 18.7815, 22.9420



13.0571, 11.0239, 50.8742



1.3795, 1.2898, 4.9895



# Previews

## White Background



This preview shows how the XYZ color 70.5446, 69.8564, 42.5664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

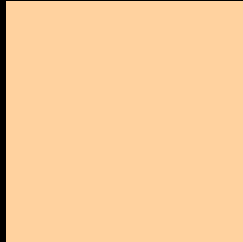
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5446, 69.8564, 42.5664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

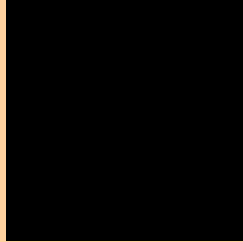
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.5446, 69.8564, 42.5664

## Background



This preview shows how black text looks on a background with the XYZ color 70.5446, 69.8564, 42.5664.



This preview shows how white text looks on a background with the XYZ color 70.5446, 69.8564,



# 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

70.5446, 69.8564, 42.5664

### Protanopia

65.5247, 70.2439, 44.2873

### Deuteranopia

71.0781, 70.0698, 45.3759



## Tritanopia

75.7262, 69.9846, 75.8468

# Trichromacy



**Original Color**

70.5446, 69.8564, 42.5664

**Protanomaly**

67.3514, 70.0513, 43.6897

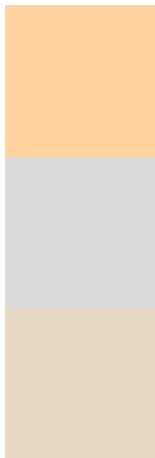
**Deuteranomaly**

70.8975, 69.9975, 44.4245

**Tritanomaly**

73.6309, 69.9169, 62.4379

# Monochromacy



**Original Color**

70.5446, 69.8564, 42.5664

**Achromatopsia**

66.6397, 70.1102, 76.3500

**Achromatomaly**

67.3335, 69.6210, 62.7127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5446, 69.8564, 42.5664 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(255, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 159)  
}
```

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(255, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5446, 69.8564, 42.5664 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(255, 210, 159) }
```



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

```
.border{ border-color:rgb(255, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5446, 69.8564, 42.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 159) }
```

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

```
.background{ background-color: rgb(255,  
210, 159) }
```

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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