

# Converting Colors

XYZ(101.1666, 81.4738,  
44.5506)

Have a look what the booklet for  
XYZ(101.1666, 81.4738, 44.5506)  
contains.

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# Color

**XYZ(67.9557, 64.2568,  
43.0036)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FFC6A2</a>
RGB	<a href="#">255, 198, 162</a>
RGB Percent	<a href="#">100%, 78%, 64%</a>
CMY	<a href="#">0.0000, 0.2235, 0.3647</a>
CMYK	<a href="#">0.00, 0.22, 0.36, 0.00</a>
HSL	<a href="#">23°, 100%, 82%</a>
HSV	<a href="#">23°, 36%, 100%</a>
XYZ	<a href="#">67.9557, 64.2568, 43.0036</a>
YIQ	<a href="#">210.9390, 45.5280, 0.8880</a>

# Conversions

## Conversions Part 2

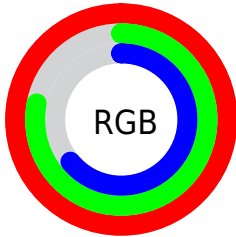
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 221, 162
Decimal	16762530
CIE <sub>Lab</sub>	84.10, 15.63, 25.85
CIE <sub>LCh</sub>	84, 30.206, 58.834
Yxy	64.2568, 0.3878, 0.3667
Android (android.graphics.Color)	4294952610 (0xFFFFC6A2)
YUV	210.9390, -24.1269, 38.6415
Hunter-Lab	80.1603, 11.0423, 24.3049

# Details

The XYZ color **67.9557, 64.2568, 43.0036** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.2809, 65.5622, 104.1908**, and the grayscale version is **62.0112, 65.2407, 71.0471**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **35.8137, 32.9426, 19.2228** is the 20% darker color. If you saturate the color by 10%, you get **62.5253, 56.6632, 31.1216**, and if you desaturate by 10%, it is **74.2175, 72.7775, 57.4316**.

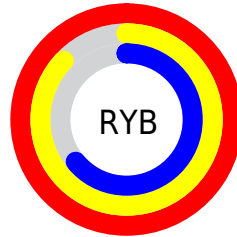
# Distribution



Red (100%)

Green (78%)

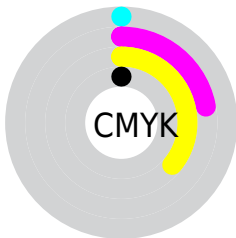
Blue (64%)



Red (100%)

Yellow (87%)

Blue (64%)

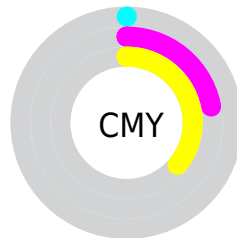


Cyan (0%)

Magenta (22%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9557, 64.2568, 43.0036 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 67.9557, 64.2568, 43.0036 by changing the saturation by 10% instead.





 67.9557, 64.2568,  
43.0036


 67.9557, 64.2568,  
43.0036

442.7182,  
440.1164, 374.5482

 50.1352, 46.8587,  
29.5565


 115.3310,  
110.9807, 81.0027

 35.7391, 32.9240,  
19.2530

 145.6166,  
141.0753, 106.3918

 24.4019, 22.0682,  
11.6746


180.7879,  
176.1708, 136.5987

 15.7584, 13.9070,  
6.4027

221.2104,  
216.6516, 172.0418

 9.4431, 8.0560,  
3.0187

267.2492,  
262.9022, 213.1398

 5.0907, 4.1308,  
1.1042

319.2699,

 2.3359, 1.7470,

315.3070, 260.3112

0.0000

377.6378,  
374.2502, 313.9745

0.8129, 0.4538,  
0.0000

0.0000, 0.0000,  
0.0000

67.9557, 64.2568,  
43.0036

67.9557, 64.2568,  
43.0036

62.5253, 56.6632,  
31.1216

74.2175, 72.7775,  
57.4316

57.8825, 49.9541,  
21.6308

81.3422, 82.2477,  
74.5402

53.9862, 44.0970,  
14.3654

89.3653, 92.7003,  
94.4589

50.7890, 39.0530,  
9.1363

95.0500, 100.0000,  
108.9000

■ 48.2367, 34.7798,  
5.7224

■ 46.2639, 31.2290,  
3.8479

■ 45.6758, 30.1315,  
3.4086

# Harmonies

## Analogous

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



73.0140, 64.2568, 53.7013



67.9557, 64.2568, 43.0036



61.3355, 64.2568, 39.2888

# Triad

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



67.9557, 64.2568, 43.0036



49.1265, 64.2568, 69.2201



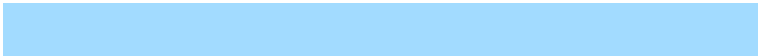
67.4716, 64.2568, 107.3318

# Complementary

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



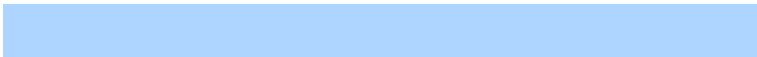
67.9557, 64.2568, 43.0036



58.2809, 65.5622, 104.1908

# 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.



60.8136, 64.2568, 113.4942



67.9557, 64.2568, 43.0036



50.5125, 64.2568, 89.2190

# Square

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



67.9557, 64.2568, 43.0036



50.7428, 64.2568, 52.6235



54.6736, 64.2568, 106.3408



72.7205, 64.2568, 90.7498



# Rectangle

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



67.9557, 64.2568, 43.0036



57.0261, 64.2568, 40.6375



54.6736, 64.2568, 106.3408



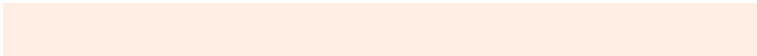
65.3094, 64.2568, 110.8106

# Sweetspot

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



67.9573, 64.2598, 43.0049



85.6174, 87.8416, 85.0795



66.9931, 52.2342, 73.8114



18.0934, 18.4990, 17.6343



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

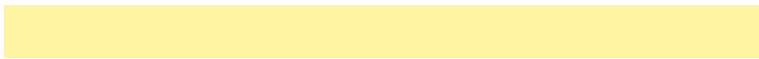
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9573, 64.2598, 43.0049



63.7920, 58.4556, 33.8281



80.1576, 88.6605, 47.0717



18.5860, 19.1402, 18.8592



24.0005, 16.0122, 1.8257

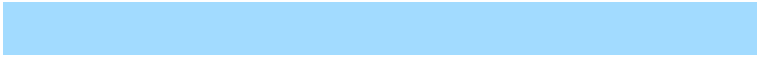


2.4390, 1.7633, 0.2118

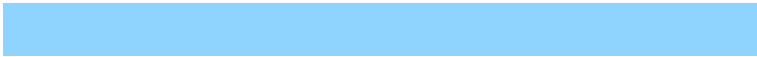


# Inverse Universe

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



58.2809, 65.5622, 104.1908



52.7770, 59.9097, 103.3898



47.8658, 44.7318, 100.7190



17.9298, 19.2312, 23.0169



15.8169, 16.5434, 51.7941



1.6461, 1.8229, 5.0784



# Previews

## White Background



This preview shows how the XYZ color 67.9557, 64.2568, 43.0036 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

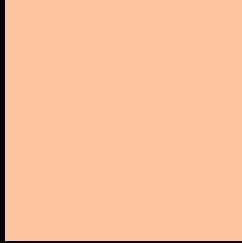
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9557, 64.2568, 43.0036 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

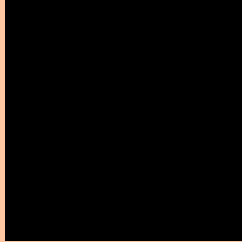
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.9557, 64.2568, 43.0036**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.9557, 64.2568, 43.0036.



This preview shows how white text looks on a background with the XYZ color 67.9557, 64.2568,



# 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

67.9557, 64.2568, 43.0036

### Protanopia

60.4531, 64.5712, 45.8365

### Deuteranopia

65.9113, 64.5884, 42.7111



## Tritanopia

71.7943, 64.3486, 67.6680

# Trichromacy



## Original Color

67.9557, 64.2568, 43.0036

## Protanomaly

63.1238, 64.5214, 44.7242

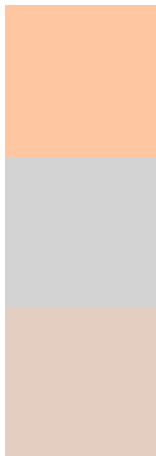
## Deuteranomaly

66.7440, 64.6705, 42.6831

## Tritanomaly

70.1591, 64.0518, 57.9557

# Monochromacy



## Original Color

67.9557, 64.2568, 43.0036

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.3755, 64.3238, 59.5276

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9557, 64.2568, 43.0036 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, 198, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 162)  
}
```

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, 198, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9557, 64.2568, 43.0036 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, 198, 162) }
```



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

```
.border{ border-color:rgb(255, 198, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 198, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 198, 162); box-shadow:4px 4px 4px 4px rgb(255, 198, 162) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9557, 64.2568, 43.0036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 162) }
```

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

```
.background{ background-color: rgb(255,  
198, 162) }
```

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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