

# Converting Colors

XYZ(120.1313, 97.9494,  
59.1622)

Have a look what the booklet for  
XYZ(120.1313, 97.9494, 59.1622)  
contains.

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# **Color**

**XYZ(75.1743, 74.9480,  
56.9587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDABA
RGB	255, 218, 186
RGB Percent	100%, 85%, 73%
CMY	0.0000, 0.1451, 0.2706
CMYK	0.00, 0.15, 0.27, 0.00
HSL	28°, 100%, 86%
HSV	28°, 27%, 100%
XYZ	75.1743, 74.9480, 56.9587
YIQ	225.4150, 32.3240, -2.1080

# Conversions

## Conversions Part 2

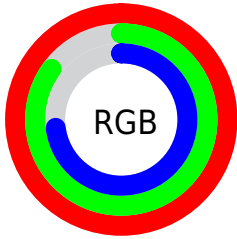
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 186
Decimal	16767674
CIE Lab	89.37, 8.22, 20.52
CIE LCh	89, 22.105, 68.169
Yxy	74.9480, 0.3630, 0.3619
Android (android.graphics.Color)	4294957754 (0xFFFFDABA)
YUV	225.4150, -19.4316, 25.9460
Hunter-Lab	86.5725, 3.4966, 21.5921

# Details

The XYZ color **75.1743, 74.9480, 56.9587** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.6866, 70.4322, 104.7932**, and the grayscale version is **71.9875, 75.7365, 82.4770**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **40.3568, 39.7582, 27.7374** is the 20% darker color. If you saturate the color by 10%, you get **69.3016, 67.1606, 42.7990**, and if you desaturate by 10%, it is **81.8270, 83.5207, 73.7667**.

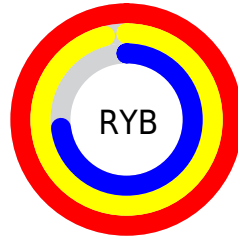
# Distribution



Red (100%)

Green (85%)

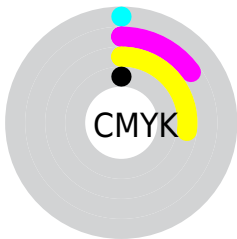
Blue (73%)



Red (100%)

Yellow (96%)

Blue (73%)

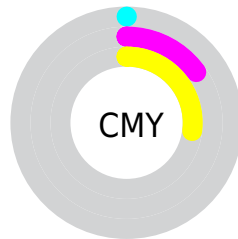


Cyan (0%)

Magenta (15%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1743, 74.9480, 56.9587 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 75.1743, 74.9480, 56.9587 by changing the saturation by 10% instead.





 75.1743, 74.9480,  
56.9587

 75.1743, 74.9480,  
56.9587


467.5044,  
477.7388, 430.7839

 56.0504, 55.5703,  
40.5629


 125.5456,  
126.2387, 101.9047

 40.4805, 39.8585,  
27.6606


157.5238,  
158.9206, 131.2919

 28.0992, 27.4282,  
17.8332


194.5174,  
196.8059, 165.8468

 18.5413, 17.8951,  
10.6621

236.8917,  
240.2791, 205.9878

 11.4414, 10.8747,  
5.7288

285.0123,  
289.7246, 252.1335

 6.4340, 5.9826,  
2.6148

339.2443,

 3.1539, 2.8345,

345.5268, 304.7024

0.9001

399.9533,  
408.0701, 364.1130

■ 1.2357, 1.0460,  
0.0000

■ 0.1342, 0.0000,  
0.0000

■ 75.1743, 74.9480,  
56.9587

■ 75.1743, 74.9480,  
56.9587

■ 69.3016, 67.1606,  
42.7990

■ 81.8270, 83.5207,  
73.7667

■ 64.1706, 60.1240,  
31.1453

■ 89.2848, 92.8915,  
93.3462

■ 59.7477, 53.8156,  
21.8484

95.0500, 100.0000,  
108.9000

■ 55.9942, 48.2079,  
14.7417

■ 52.8667, 43.2708,  
9.6360

■ 50.3152, 38.9711,  
6.3093

■ 48.2779, 35.2701,  
4.4787

■ 47.7516, 34.2832,  
4.1005

# Harmonies

## Analogous

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



79.7303, 74.9480, 64.5461



75.1743, 74.9480, 56.9587



69.7681, 74.9480, 55.5277

# Triad

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



75.1743, 74.9480, 56.9587



61.4279, 74.9480, 85.9120



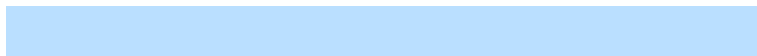
77.8590, 74.9480, 107.3376

# Complementary

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



75.1743, 74.9480, 56.9587



64.6866, 70.4322, 104.7932

# 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.



72.7240, 74.9480, 114.7867



75.1743, 74.9480, 56.9587



63.3672, 74.9480, 101.4337

# Square

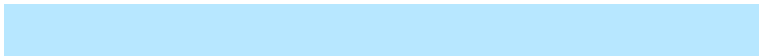
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1743, 74.9480, 56.9587



62.0099, 74.9480, 71.0215



67.4374, 74.9480, 112.4995



81.3342, 74.9480, 93.1922



# Rectangle

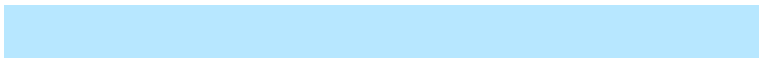
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1743, 74.9480, 56.9587



66.4375, 74.9480, 58.0609



67.4374, 74.9480, 112.4995



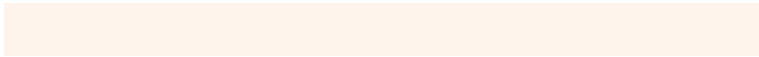
76.2598, 74.9480, 110.7843

# Sweetspot

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



75.1762, 74.9514, 56.9602



88.5471, 91.9740, 91.3804



72.2472, 61.7577, 78.5986



18.7038, 19.3758, 18.8984



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.



75.1762, 74.9514, 56.9602



72.1780, 71.0055, 49.6396



84.7724, 94.1438, 60.1590



18.7038, 19.3758, 18.8984



25.0971, 18.2055, 2.1913

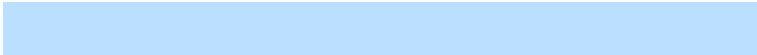


2.5516, 1.9886, 0.2493

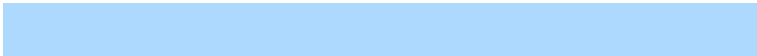


# Inverse Universe

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



64.6866, 70.4322, 104.7932



60.2237, 65.8530, 104.1445



56.5951, 54.2492, 102.0960



17.8096, 18.9909, 22.9769



14.2361, 13.3817, 51.2672

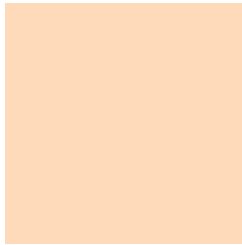


1.4955, 1.5217, 5.0282



# Previews

## White Background



This preview shows how the XYZ color 75.1743, 74.9480, 56.9587 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

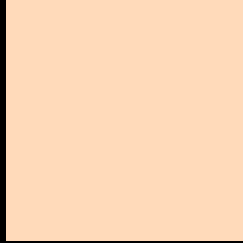
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1743, 74.9480, 56.9587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

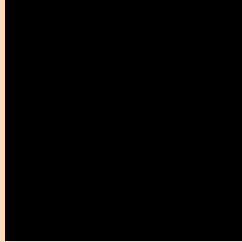
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.1743, 74.9480, 56.9587**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1743, 74.9480, 56.9587.



This preview shows how white text looks on a background with the XYZ color 75.1743, 74.9480,



# 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

75.1743, 74.9480, 56.9587

### Protanopia

70.7660, 74.9900, 58.8889

### Deuteranopia

75.6785, 74.7360, 60.8889



## Tritanopia

79.2902, 74.9546, 83.6874

# Trichromacy



**Original Color**

75.1743, 74.9480, 56.9587

**Protanomaly**

72.5066, 75.1065, 58.2524

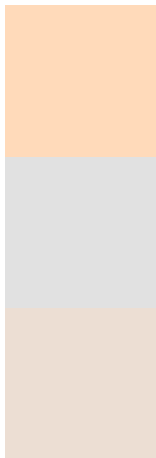
**Deuteranomaly**

75.3471, 74.6034, 59.1439

**Tritanomaly**

77.5507, 74.6650, 73.2752

# Monochromacy



**Original Color**

75.1743, 74.9480, 56.9587

**Achromatopsia**

71.5672, 75.2942, 81.9954

**Achromatomaly**

72.4712, 74.7786, 72.2421

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1743, 74.9480, 56.9587 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, 218, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 186)  
}
```

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, 218, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1743, 74.9480, 56.9587 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, 218, 186) }
```



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

```
.border{ border-color:rgb(255, 218, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1743, 74.9480, 56.9587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 186) }
```

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

```
.background{ background-color: rgb(255,  
218, 186) }
```

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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