

# Converting Colors

XYZ(163.3992, 115.1222,  
56.6255)

Have a look what the booklet for  
XYZ(163.3992, 115.1222, 56.6255)  
contains.

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# **Color**

**XYZ(70.8342, 67.2672,  
52.4305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCBB4
RGB	255, 203, 180
RGB Percent	100%, 80%, 71%
CMY	0.0000, 0.2039, 0.2941
CMYK	0.00, 0.20, 0.29, 0.00
HSL	18°, 100%, 85%
HSV	18°, 29%, 100%
XYZ	70.8342, 67.2672, 52.4305
YIQ	215.9260, 38.3750, 3.8710

# Conversions

## Conversions Part 2

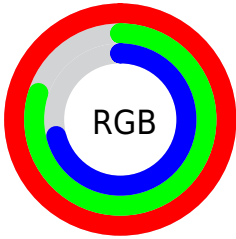
Format	Color
R <sub>Y</sub> B	255, 213, 180
Decimal	16763828
CIE Lab	85.64, 15.22, 18.48
CIE LCh	86, 23.941, 50.519
Yxy	67.2672, 0.3718, 0.3530
Android (android.graphics.Color)	4294953908 (0xFFFFCBB4)
YUV	215.9260, -17.7115, 34.2679
Hunter-Lab	82.0166, 10.6338, 19.5095

# Details

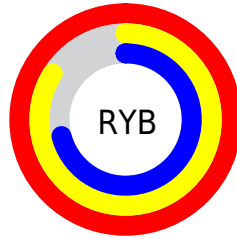
The XYZ color **70.8342, 67.2672, 52.4305** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.7280, 74.6340, 105.5493**, and the grayscale version is **65.3198, 68.7215, 74.8378**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **37.6042, 34.8975, 24.8326** is the 20% darker color. If you saturate the color by 10%, you get **64.5323, 58.4453, 38.6712**, and if you desaturate by 10%, it is **78.0934, 77.2386, 68.8681**.

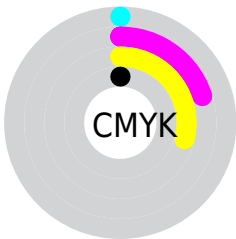
# Distribution



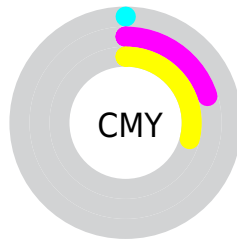
- Red (100%)
- Green (80%)
- Blue (71%)



- Red (100%)
- Yellow (84%)
- Blue (71%)



- Cyan (0%)
- Magenta (20%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8342, 67.2672, 52.4305 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 70.8342, 67.2672, 52.4305 by changing the saturation by 10% instead.





 70.8342, 67.2672,  
52.4305

 70.8342, 67.2672,  
52.4305


452.6945,  
450.8953, 413.1005

 52.4890, 49.3018,  
36.9637


 119.4174,  
115.3032, 95.1989

 37.6208, 34.8589,  
24.8838


150.3861,  
146.1426, 123.3375

 25.8644, 23.5542,  
15.7723


186.2933,  
182.0421, 156.5373

 16.8544, 15.0033,  
9.2106

227.5044,  
223.3861, 195.2166

 10.2254, 8.8217,  
4.7801

274.3847,  
270.5591, 239.7940

 5.6120, 4.6251,  
2.0623

327.2995,

 2.6491, 2.0290,

323.9453, 290.6881

0.5932

386.6144,  
383.9292, 348.3174

■ 0.9710, 0.6242,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.8342, 67.2672,  
52.4305

■ 70.8342, 67.2672,  
52.4305

■ 64.5323, 58.4453,  
38.6712

■ 78.0934, 77.2386,  
68.8681

■ 59.1407, 50.7212,  
27.4426

■ 86.3443, 88.3902,  
88.1126

■ 54.6153, 44.0531,  
18.5889

95.0500, 100.0000,  
108.9000

■ 50.9063, 38.3924,  
11.9354

■ 47.9582, 33.6864,  
7.2828

■ 45.7068, 29.8769,  
4.3948

■ 44.0629, 26.8927,  
2.9116

■ 43.9799, 26.7398,  
2.8433

# Harmonies

## Analogous

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



74.2631, 67.2672, 63.2165



70.8342, 67.2672, 52.4305



65.6776, 67.2672, 47.4446

# Triad

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



70.8342, 67.2672, 52.4305



54.1443, 67.2672, 68.4081



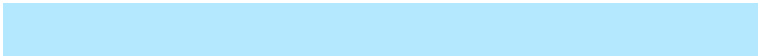
67.6802, 67.2672, 105.1073

# Complementary

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



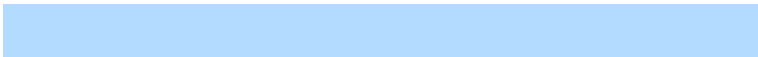
70.8342, 67.2672, 52.4305



65.7280, 74.6340, 105.5493

# 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.



62.2243, 67.2672, 107.0200



70.8342, 67.2672, 52.4305



54.6127, 67.2672, 84.2763

# Square

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



70.8342, 67.2672, 52.4305



56.1818, 67.2672, 55.7659



57.4998, 67.2672, 98.9408



72.3715, 67.2672, 94.0351



# Rectangle

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



70.8342, 67.2672, 52.4305



62.0410, 67.2672, 47.5153



57.4998, 67.2672, 98.9408



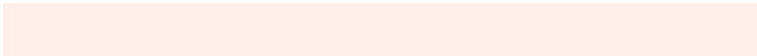
65.8681, 67.2672, 106.8985

# Sweetspot

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



70.8358, 67.2703, 52.4319



86.7053, 88.8745, 88.9658



72.1983, 59.7578, 84.4463



18.2867, 18.6579, 18.4009



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.



70.8358, 67.2703, 52.4319



67.1979, 62.1998, 44.4203



80.6386, 86.8757, 55.6994



18.4637, 18.8957, 18.8184



23.0955, 14.2023, 1.5240

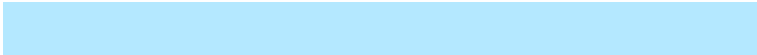


2.3405, 1.5664, 0.1790

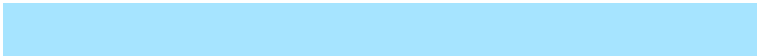


# Inverse Universe

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



65.7280, 74.6340, 105.5493



61.3635, 70.5800, 104.9968



56.3881, 55.9543, 102.4360



18.0571, 19.4858, 23.0594



17.7625, 20.4346, 52.4427



1.8263, 2.1833, 5.1384



# Previews

## White Background



This preview shows how the XYZ color 70.8342, 67.2672, 52.4305 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

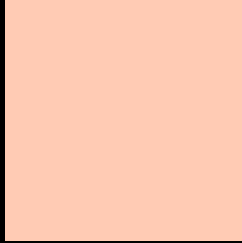
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8342, 67.2672, 52.4305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

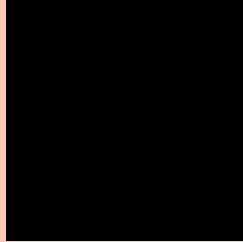
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.8342, 67.2672, 52.4305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8342, 67.2672, 52.4305.



This preview shows how white text looks on a background with the XYZ color 70.8342, 67.2672,

52.4305.

# 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

70.8342, 67.2672, 52.4305

### Protanopia

63.8549, 67.6035, 55.5822

### Deuteranopia

68.5658, 67.1714, 51.9994



## Tritanopia

74.0319, 67.4236, 72.7305

# Trichromacy



## Original Color

70.8342, 67.2672, 52.4305

## Protanomaly

66.1859, 67.3450, 54.3102

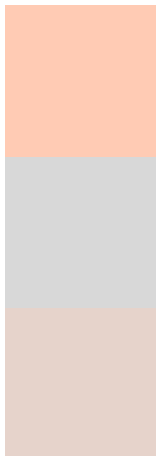
## Deuteranomaly

69.3923, 67.2413, 51.9693

## Tritanomaly

72.7873, 67.2976, 65.0305

# Monochromacy



## Original Color

70.8342, 67.2672, 52.4305

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

66.7069, 67.7233, 66.0560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8342, 67.2672, 52.4305 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, 203, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 180)  
}
```

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, 203, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8342, 67.2672, 52.4305 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, 203, 180) }
```



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

```
.border{ border-color:rgb(255, 203, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8342, 67.2672, 52.4305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 180) }
```

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

```
.background{ background-color: rgb(255,  
203, 180) }
```

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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