

# Converting Colors

XYZ(70.9892, 65.9529, 57.4897)

Have a look what the booklet for  
XYZ(70.9892, 65.9529, 57.4897)  
contains.

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# Color

**XYZ(70.9577, 65.8246,  
57.6807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC7BE
RGB	255, 199, 190
RGB Percent	100%, 78%, 75%
CMY	0.0000, 0.2196, 0.2549
CMYK	0.00, 0.22, 0.25, 0.00
HSL	8°, 100%, 87%
HSV	8°, 25%, 100%
XYZ	70.9577, 65.8246, 57.6807
YIQ	214.7180, 36.2650, 9.0730

# Conversions

## Conversions Part 2

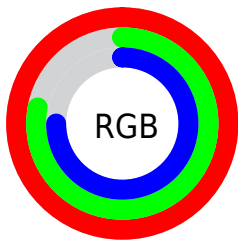
Format	Color
R <sub>Y</sub> B	255, 200, 190
Decimal	16762814
CIE Lab	84.91, 18.64, 12.15
CIE LCh	85, 22.250, 33.096
Yxy	65.8246, 0.3649, 0.3385
Android (android.graphics.Color)	4294952894 (0xFFFFC7BE)
YUV	214.7180, -12.1860, 35.3273
Hunter-Lab	81.1324, 14.1330, 14.6407

# Details

The XYZ color **70.9577, 65.8246, 57.6807** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.2398, 84.0758, 107.0286**, and the grayscale version is **64.4647, 67.8218, 73.8580**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **37.6667, 33.9273, 28.2303** is the 20% darker color. If you saturate the color by 10%, you get **63.7161, 55.4183, 42.6984**, and if you desaturate by 10%, it is **79.4198, 77.8911, 75.4769**.

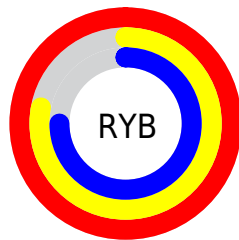
# Distribution



Red (100%)

Green (78%)

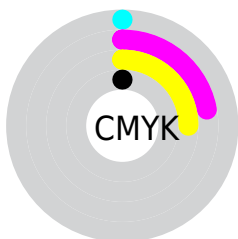
Blue (75%)



Red (100%)

Yellow (78%)

Blue (75%)

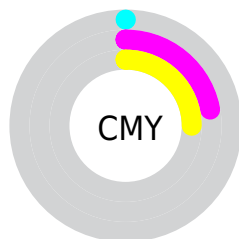


Cyan (0%)

Magenta (22%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9577, 65.8246, 57.6807 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 70.9577, 65.8246, 57.6807 by changing the saturation by 10% instead.




 70.9577, 65.8246,  
57.6807

 70.9577, 65.8246,  
57.6807


453.1197,  
445.7493, 433.5601

 52.5901, 48.1300,  
41.1390


 119.5923,  
113.2346, 102.9679

 37.7018, 33.9299,  
28.1072

150.5901,  
143.7187, 132.5505

 25.9275, 22.8397,  
18.1667


186.5286,  
179.2349, 167.3172

 16.9018, 14.4752,  
10.8991

227.7731,  
220.1674, 207.6864

 10.2594, 8.4519,  
5.8857

274.6892,  
266.9007, 254.0768

 5.6348, 4.3855,  
2.7080

327.6421,

 2.6629, 1.8914,

319.8192, 306.9068

0.9475

386.9971,  
379.3073, 366.5951

■ 0.9781, 0.5432,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.9577, 65.8246,  
57.6807

■ 70.9577, 65.8246,  
57.6807

■ 63.7161, 55.4183,  
42.6984

■ 79.4198, 77.8911,  
75.4769

■ 57.6336, 46.5908,  
30.3819

■ 89.1503, 91.6767,  
96.2169

■ 52.6508, 39.2674,  
20.5756

95.0500, 100.0000,  
108.9000

■ 48.7010, 33.3636,  
13.1058

■ 45.7099, 28.7865,  
7.7771

■ 43.5932, 25.4321,  
4.3617

■ 42.2508, 23.1802,  
2.5794

■ 41.8507, 22.4815,  
2.1336

# Harmonies

## Analogous

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



72.6499, 65.8246, 70.1968



70.9577, 65.8246, 57.6807



67.0103, 65.8246, 49.8402

# Triad

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



70.9577, 65.8246, 57.6807



54.3866, 65.8246, 59.9352



63.0843, 65.8246, 102.7855

# Complementary

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



70.9577, 65.8246, 57.6807



72.2398, 84.0758, 107.0286

# 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.



58.3195, 65.8246, 99.0967



70.9577, 65.8246, 57.6807



53.4582, 65.8246, 73.1673

# Square

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



70.9577, 65.8246, 57.6807



57.4665, 65.8246, 51.0151



54.8604, 65.8246, 87.7600



67.9550, 65.8246, 97.2648



# Rectangle

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



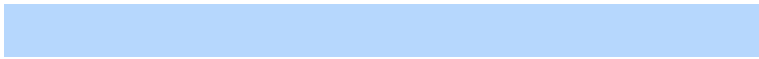
70.9577, 65.8246, 57.6807



63.7255, 65.8246, 47.6923



54.8604, 65.8246, 87.7600



61.4173, 65.8246, 102.5831

# Sweetspot

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



70.9593, 65.8276, 57.6820



86.5854, 88.0506, 90.7265



76.3396, 64.7618, 95.9342



18.2123, 18.3927, 18.7346



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.



70.9593, 65.8276, 57.6820



66.8210, 59.8916, 49.0867



79.1572, 82.2232, 60.4147



18.2123, 18.3927, 18.7346



21.9293, 11.8698, 1.1353

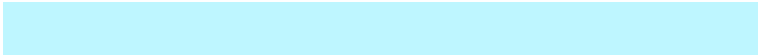


2.1940, 1.2734, 0.1301

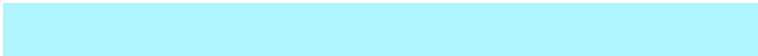


# Inverse Universe

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



72.2398, 84.0758, 107.0286



68.3084, 81.1747, 106.6758



63.2902, 66.1766, 104.0454



18.3277, 20.0270, 23.1496



22.8423, 30.5942, 54.1359



2.2806, 3.0919, 5.2899



# Previews

## White Background



This preview shows how the XYZ color 70.9577, 65.8246, 57.6807 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 70.9577, 65.8246, 57.6807 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

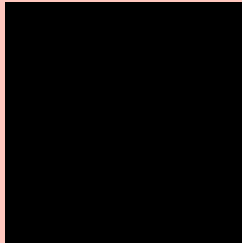
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.9577, 65.8246, 57.6807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9577, 65.8246, 57.6807.



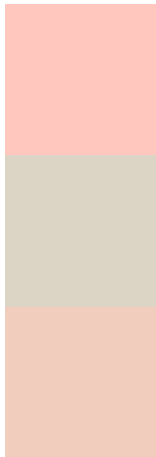
This preview shows how white text looks on a background with the XYZ color 70.9577, 65.8246,

57.6807.

# 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

70.9577, 65.8246, 57.6807

### Protanopia

63.1367, 66.3338, 62.2994

### Deuteranopia

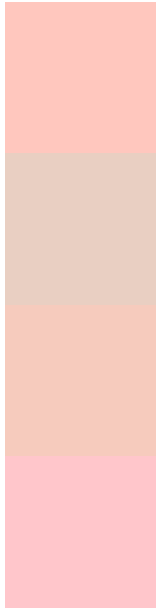
67.2923, 66.0375, 57.3439



## Tritanopia

72.9641, 65.8957, 70.5015

# Trichromacy



**Original Color**

70.9577, 65.8246, 57.6807

**Protanomaly**

65.6547, 65.8443, 60.2878

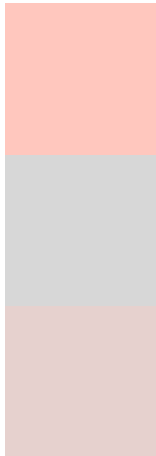
**Deuteranomaly**

68.5473, 65.9788, 57.2665

**Tritanomaly**

72.2136, 65.9600, 65.4254

# Monochromacy



**Original Color**

70.9577, 65.8246, 57.6807

**Achromatopsia**

64.5905, 67.9542, 74.0022

**Achromatomaly**

66.5742, 66.8802, 67.7928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9577, 65.8246, 57.6807 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, 199, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 190)  
}
```

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, 199, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9577, 65.8246, 57.6807 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, 199, 190) }
```



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

```
.border{ border-color:rgb(255, 199, 190) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9577, 65.8246, 57.6807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 190) }
```

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

```
.background{ background-color: rgb(255,  
199, 190) }
```

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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