

# Converting Colors

XYZ(70.7458, 64.7271, 59.6871)

Have a look what the booklet for  
XYZ(70.7458, 64.7271, 59.6871)  
contains.

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# Color

**XYZ(70.7175, 64.6349,  
59.7875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4C2
RGB	255, 196, 194
RGB Percent	100%, 77%, 76%
CMY	0.0000, 0.2313, 0.2392
CMYK	0.00, 0.23, 0.24, 0.00
HSL	2°, 100%, 88%
HSV	2°, 24%, 100%
XYZ	70.7175, 64.6349, 59.7875
YIQ	213.4130, 35.8060, 11.8860

# Conversions

## Conversions Part 2

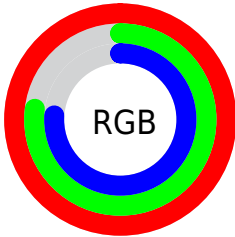
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 196, 194
Decimal	16762050
CIE Lab	84.30, 20.76, 9.15
CIE LCh	84, 22.690, 23.777
Yxy	64.6349, 0.3624, 0.3312
Android (android.graphics.Color)	4294952130 (0xFFFFC4C2)
YUV	213.4130, -9.5706, 36.4718
Hunter-Lab	80.3958, 16.3188, 12.1852

# Details

The XYZ color **70.7175, 64.6349, 59.7875** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.4222, 88.9370, 107.7991**, and the grayscale version is **63.5691, 66.8796, 72.8319**.

A 20% lighter version of the original color is **93.6206, 98.4127, 104.5037**, and **37.4326, 33.1098, 29.2289** is the 20% darker color. If you saturate the color by 10%, you get **62.9828, 53.3620, 44.2715**, and if you desaturate by 10%, it is **79.8612, 77.9388, 78.1990**.

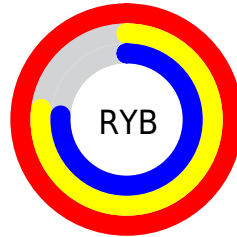
# Distribution



Red (100%)

Green (77%)

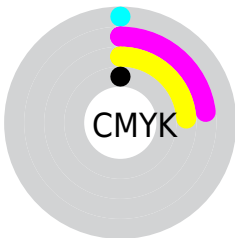
Blue (76%)



Red (100%)

Yellow (77%)

Blue (76%)

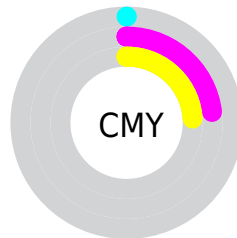


Cyan (0%)

Magenta (23%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7175, 64.6349, 59.7875 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 70.7175, 64.6349, 59.7875 by changing the saturation by 10% instead.





 70.7175, 64.6349,  
59.7875

 70.7175, 64.6349,  
59.7875


452.2925,  
441.4788, 441.5969

 52.3934, 47.1651,  
42.8232


 119.2521,  
111.5248, 106.0617

 37.5443, 33.1662,  
29.4160


150.1933,  
141.7137, 136.2087

 25.8048, 22.2538,  
19.1475


186.0709,  
176.9110, 171.5870

 16.8096, 14.0435,  
11.5990

227.2503,  
217.5013, 212.6151

 10.1933, 8.1509,  
6.3521

274.0968,  
263.8688, 259.7116

 5.5905, 4.1917,  
2.9881

326.9757,

 2.6360, 1.7814,

316.3979, 313.2951

1.0886

386.2525,  
375.4731, 373.7840

■ 0.9643, 0.4755,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.7175, 64.6349,  
59.7875

■ 70.7175, 64.6349,  
59.7875

■ 62.9828, 53.3620,  
44.2715

■ 79.8612, 77.9388,  
78.1990

■ 56.5825, 44.0121,  
31.5001

■ 90.4740, 93.3574,  
99.6386

■ 51.4425, 36.4804,  
21.3147

95.0500, 100.0000,  
108.9000

■ 47.4798, 30.6486,  
13.5389

■ 44.6009, 26.3847,  
7.9741

■ 42.6987, 23.5369,  
4.3906

■ 41.6437, 21.9237,  
2.5077

■ 41.3310, 21.4419,  
1.9603

# Harmonies

## Analogous

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



71.5601, 64.6349, 73.4221



70.7175, 64.6349, 59.7875



67.3287, 64.6349, 50.3099

# Triad

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



70.7175, 64.6349, 59.7875



53.9558, 64.6349, 55.2426



60.3910, 64.6349, 101.6646

# Complementary

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



70.7175, 64.6349, 59.7875



75.4222, 88.9370, 107.7991

# 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.



55.8929, 64.6349, 95.1743



70.7175, 64.6349, 59.7875



52.3105, 64.6349, 67.4162

# Square

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



70.7175, 64.6349, 59.7875



57.6155, 64.6349, 47.9472



52.9999, 64.6349, 82.1471



65.4167, 64.6349, 98.8938



# Rectangle

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



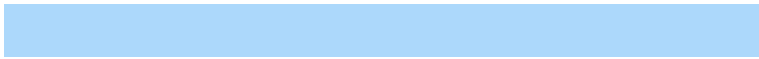
70.7175, 64.6349, 59.7875



64.1757, 64.6349, 46.9871



52.9999, 64.6349, 82.1471



58.7706, 64.6349, 100.4683

# Sweetspot

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



70.7191, 64.6378, 59.7888



87.0459, 88.3791, 92.7068



78.4188, 66.9989, 102.5509



18.4912, 18.7131, 19.5596



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.



70.7191, 64.6378, 59.7888



66.6184, 58.6638, 51.5550



78.0431, 79.2857, 62.2301



18.0572, 18.0826, 18.6829



21.6170, 11.2453, 1.0312



2.1209, 1.1271, 0.1058

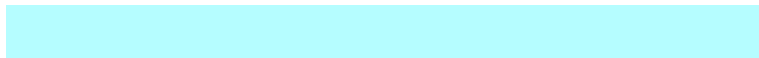


# Inverse Universe

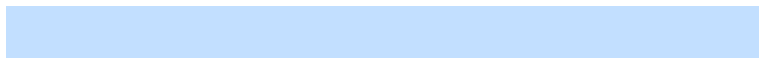
The Inverse Universe completely reimagines the original color for something new.



75.4222, 88.9370, 107.7991



72.1073, 87.0288, 107.6055



66.8157, 71.7239, 104.9303



18.5007, 20.3729, 23.2072



26.7729, 38.4554, 55.4461



2.6222, 3.7751, 5.4037



# Previews

## White Background



This preview shows how the XYZ color 70.7175, 64.6349, 59.7875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

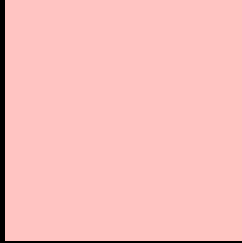
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7175, 64.6349, 59.7875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

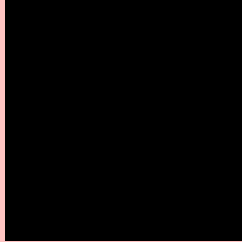
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.7175, 64.6349, 59.7875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7175, 64.6349, 59.7875.



This preview shows how white text looks on a background with the XYZ color 70.7175, 64.6349,

59.7875.

# 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

70.7175, 64.6349, 59.7875

### Protanopia

62.2045, 65.0619, 64.5380

### Deuteranopia

66.2415, 64.7393, 59.4567



## Tritanopia

72.0404, 64.4470, 68.9642

# Trichromacy



## Original Color

70.7175, 64.6349, 59.7875

## Protanomaly

64.9794, 64.7288, 62.4952

## Deuteranomaly

67.5881, 64.3919, 59.3187

## Tritanomaly

71.6542, 64.6498, 65.8288

# Monochromacy



## Original Color

70.7175, 64.6349, 59.7875

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.4483, 65.5759, 67.6004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7175, 64.6349, 59.7875 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, 196, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 194)  
}
```

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, 196, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7175, 64.6349, 59.7875 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, 196, 194) }
```



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

```
.border{ border-color:rgb(255, 196, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7175, 64.6349, 59.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 194) }
```

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

```
.background{ background-color: rgb(255,  
196, 194) }
```

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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