

# Converting Colors

XYZ(77.1802, 68.7297, 63.0392)

Have a look what the booklet for  
XYZ(77.1802, 68.7297, 63.0392)  
contains.

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# Color

**XYZ(71.7429, 65.7717,  
62.9468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6C7
RGB	255, 198, 199
RGB Percent	100%, 78%, 78%
CMY	0.0000, 0.2235, 0.2196
CMYK	0.00, 0.22, 0.22, 0.00
HSL	359°, 100%, 89%
HSV	359°, 22%, 100%
XYZ	71.7429, 65.7717, 62.9468
YIQ	215.1570, 33.6510, 12.3950

# Conversions

## Conversions Part 2

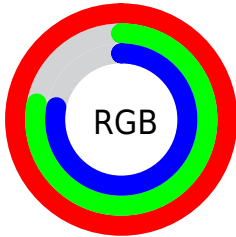
Format	Color
R <sub>Y</sub> B	255, 198, 199
Decimal	16762567
CIE Lab	84.88, 20.42, 7.32
CIE LCh	85, 21.696, 19.720
Yxy	65.7717, 0.3579, 0.3281
Android (android.graphics.Color)	4294952647 (0xFFFFC6C7)
YUV	215.1570, -7.9654, 34.9423
Hunter-Lab	81.0998, 15.9811, 10.7510

# Details

The XYZ color **71.7429, 65.7717, 62.9468** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.9405, 90.6827, 107.2183**, and the grayscale version is **64.7354, 68.1066, 74.1681**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1101, 33.8612, 31.3153** is the 20% darker color. If you saturate the color by 10%, you get **63.7239, 54.0120, 47.0839**, and if you desaturate by 10%, it is **81.2253, 79.6912, 81.6619**.

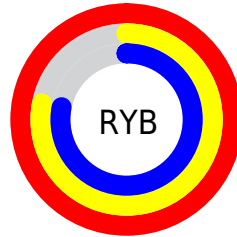
# Distribution



Red (100%)

Green (78%)

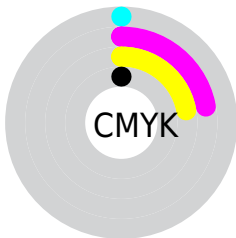
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

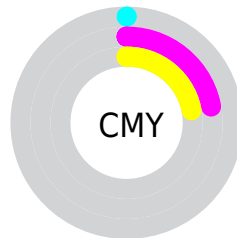


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7429, 65.7717, 62.9468 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 71.7429, 65.7717, 62.9468 by changing the saturation by 10% instead.




 71.7429, 65.7717,  
62.9468

 71.7429, 65.7717,  
62.9468


455.8178,  
445.5600, 453.4790

 53.2334, 48.0871,  
45.3574


120.7037,  
113.1586, 110.6776

 38.2173, 33.8959,  
31.3941

151.8857,  
143.6297, 141.6561

 26.3294, 22.8136,  
20.6381


188.0226,  
179.1317, 177.9348

 17.2042, 14.4559,  
12.6711

229.4798,  
220.0491, 219.9321

 10.4764, 8.4385,  
7.0744

276.6225,  
266.7662, 268.0667

 5.7806, 4.3768,  
3.4295

329.8162,

 2.7515, 1.8865,

319.6675, 322.7570

1.3179

389.4261,  
379.1373, 384.4216

■ 1.0238, 0.5402,  
0.0764

■ 0.0000, 0.0000,  
0.0000

■ 71.7429, 65.7717,  
62.9468

■ 71.7429, 65.7717,  
62.9468

■ 63.7239, 54.0120,  
47.0839

■ 81.2253, 79.6912,  
81.6619

■ 57.0909, 44.2959,  
33.9295

■ 92.2338, 95.8617,  
103.3552

■ 51.7669, 36.5092,  
23.3334

95.0500, 100.0000,  
108.9000

■ 47.6652, 30.5236,  
15.1294

■ 44.6888, 26.1947,  
9.1313

■ 42.7261, 23.3563,  
5.1260

■ 41.6425, 21.8074,  
2.8579

■ 41.2644, 21.2698,  
2.0585

# Harmonies

## Analogous

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



72.1807, 65.7717, 76.5039



71.7429, 65.7717, 62.9468



68.7611, 65.7717, 53.0532

# Triad

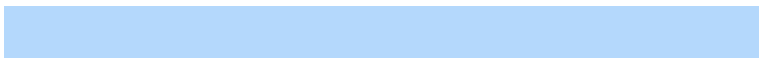
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7429, 65.7717, 62.9468



55.6436, 65.7717, 55.6477



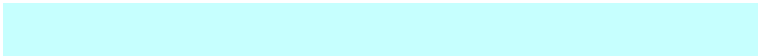
60.8589, 65.7717, 101.3519

# Complementary

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



71.7429, 65.7717, 62.9468



76.9405, 90.6827, 107.2183

# 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.



56.6573, 65.7717, 94.0663



71.7429, 65.7717, 62.9468



53.7514, 65.7717, 66.9374

# Square

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



71.7429, 65.7717, 62.9468



59.4095, 65.7717, 49.2332



54.1126, 65.7717, 81.0428



65.7249, 65.7717, 99.9197



# Rectangle

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



71.7429, 65.7717, 62.9468



65.8138, 65.7717, 49.3030



54.1126, 65.7717, 81.0428



59.3264, 65.7717, 99.8080

# Sweetspot

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



71.7445, 65.7746, 62.9481



86.9213, 88.0567, 92.8903



78.7900, 68.5125, 103.6793



18.4624, 18.6387, 19.6019



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

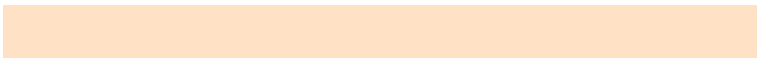
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7445, 65.7746, 62.9481



67.8379, 60.0440, 55.2259



78.2519, 78.9737, 64.5490



18.0223, 17.9922, 18.7344



21.5671, 11.1161, 1.1048



2.1042, 1.0841, 0.1303



# Inverse Universe

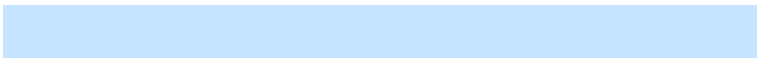
The Inverse Universe completely reimagines the original color for something new.



71.7445, 65.7746, 62.9481



67.8379, 60.0440, 55.2259



69.1947, 74.9354, 105.4248



18.0223, 17.9922, 18.7344



21.5671, 11.1161, 1.1048



2.1042, 1.0841, 0.1303



# Previews

## White Background



This preview shows how the XYZ color 71.7429, 65.7717, 62.9468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

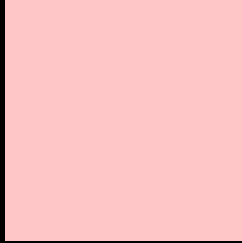
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.7429, 65.7717, 62.9468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

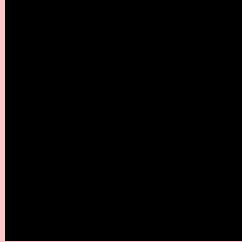
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.7429, 65.7717, 62.9468**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.7429, 65.7717, 62.9468.



This preview shows how white text looks on a background with the XYZ color 71.7429, 65.7717,

62.9468.

# 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

71.7429, 65.7717, 62.9468

### Protanopia

63.0501, 65.7965, 67.7694

### Deuteranopia

67.2843, 65.9170, 62.6031



## Tritanopia

72.9641, 65.8957, 70.5015

# Trichromacy



## Original Color

71.7429, 65.7717, 62.9468

## Protanomaly

65.8058, 65.4433, 65.6634

## Deuteranomaly

68.6218, 65.5514, 62.4620

## Tritanomaly

72.4687, 65.6975, 67.8929

# Monochromacy



## Original Color

71.7429, 65.7717, 62.9468

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

66.9422, 67.0274, 69.7309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.7429, 65.7717, 62.9468 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 71.7429, 65.7717, 62.9468 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, 199) }
```



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

```
.border{ border-color:rgb(255, 198, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.7429, 65.7717, 62.9468 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
198, 199) }
```

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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