

# Converting Colors

XYZ(71.9457, 66.1892, 62.9777)

Have a look what the booklet for  
XYZ(71.9457, 66.1892, 62.9777)  
contains.

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# Color

**XYZ(71.9722, 66.2304,  
63.0232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7C7
RGB	255, 199, 199
RGB Percent	100%, 78%, 78%
CMY	0.0000, 0.2196, 0.2196
CMYK	0.00, 0.22, 0.22, 0.00
HSL	0°, 100%, 89%
HSV	0°, 22%, 100%
XYZ	71.9722, 66.2304, 63.0232
YIQ	215.7440, 33.3760, 11.8720

# Conversions

## Conversions Part 2

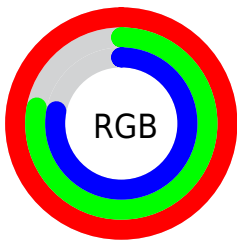
Format	Color
R <sub>Y</sub> B	255, 199, 199
Decimal	16762823
CIE Lab	85.11, 19.90, 7.66
CIE LCh	85, 21.322, 21.045
Yxy	66.2304, 0.3577, 0.3291
Android (android.graphics.Color)	4294952903 (0xFFFFC7C7)
YUV	215.7440, -8.2548, 34.4275
Hunter-Lab	81.3821, 15.4422, 11.0526

# Details

The XYZ color **71.9722, 66.2304, 63.0232** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.3620, 90.8791, 108.0718**, and the grayscale version is **65.1360, 68.5281, 74.6271**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2622, 34.1654, 31.3660** is the 20% darker color. If you saturate the color by 10%, you get **63.8727, 54.3792, 46.9198**, and if you desaturate by 10%, it is **81.5540, 80.2517, 82.0698**.

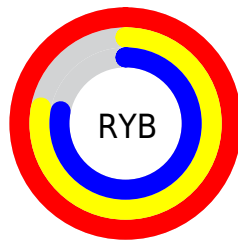
# Distribution



Red (100%)

Green (78%)

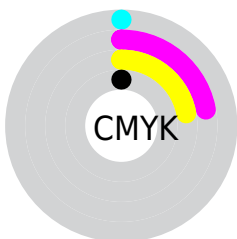
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

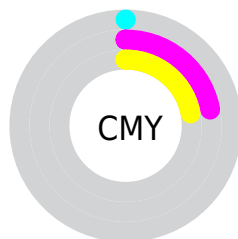


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9722, 66.2304, 63.0232 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 71.9722, 66.2304, 63.0232 by changing the saturation by 10% instead.




 71.9722, 66.2304,  
63.0232

 71.9722, 66.2304,  
63.0232


456.6040,  
447.2004, 453.7639

 53.4213, 48.4595,  
45.4189


121.0280,  
113.8170, 110.7889

 38.3681, 34.1909,  
31.4421

152.2637,  
144.4014, 141.7873

 26.4470, 23.0403,  
20.6745


188.4584,  
180.0257, 178.0875

 17.2928, 14.6233,  
12.6973

229.9774,  
221.0744, 220.1080

 10.5400, 8.5554,  
7.0922

277.1861,  
267.9318, 268.2673

 5.8235, 4.4523,  
3.4405

330.4499,

 2.7777, 1.9297,

320.9824, 322.9841

1.3237

390.1340,  
380.6104, 384.6768

■ 1.0373, 0.5661,  
0.0811

■ 0.0000, 0.0000,  
0.0000

■ 71.9722, 66.2304,  
63.0232

■ 71.9722, 66.2304,  
63.0232

■ 63.8727, 54.3792,  
46.9198

■ 81.5540, 80.2517,  
82.0698

■ 57.1770, 44.5814,  
33.6091

■ 92.6817, 96.5346,  
104.1918

■ 51.8067, 36.7230,  
22.9334

95.0500, 100.0000,  
108.9000

■ 47.6739, 30.6753,  
14.7178

■ 44.6798, 26.2940,  
8.7663

■ 42.7109, 23.4128,  
4.8529

■ 41.6302, 21.8313,  
2.7052

■ 41.2402, 21.2605,  
1.9301

# Harmonies

## Analogous

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



72.5243, 66.2304, 76.3110



71.9722, 66.2304, 63.0232



68.9390, 66.2304, 53.4327

# Triad

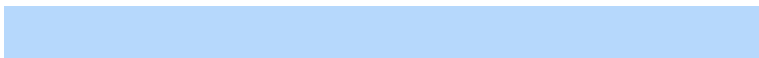
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9722, 66.2304, 63.0232



56.0354, 66.2304, 56.7250



61.5229, 66.2304, 101.5351

# Complementary

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



71.9722, 66.2304, 63.0232



77.3620, 90.8791, 108.0718

# 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.



57.3184, 66.2304, 94.7084



71.9722, 66.2304, 63.0232



54.2578, 66.2304, 68.0731

# Square

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



71.9722, 66.2304, 63.0232



59.6903, 66.2304, 50.1309



54.7152, 66.2304, 82.0387



66.3263, 66.2304, 99.7339



# Rectangle

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



71.9722, 66.2304, 63.0232



65.9989, 66.2304, 49.8722



54.7152, 66.2304, 82.0387



59.9965, 66.2304, 100.1443

# Sweetspot

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



71.9739, 66.2334, 63.0246



86.8761, 88.0394, 92.6502



79.7137, 69.3275, 103.7879



18.4520, 18.6348, 19.5466



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.



71.9739, 66.2334, 63.0246



68.5272, 61.1899, 56.1726



79.0182, 80.3221, 65.3727



18.0096, 17.9874, 18.6670



21.5490, 11.1092, 1.0085

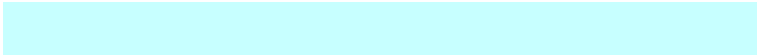


2.0982, 1.0817, 0.0982



# Inverse Universe

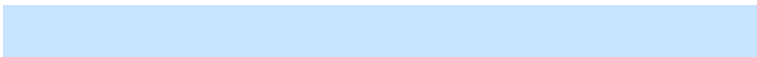
The Inverse Universe completely reimagines the original color for something new.



77.3620, 90.8791, 108.0718



74.7200, 89.5167, 107.9480



69.0728, 74.3009, 105.3087



18.5548, 20.4812, 23.2253



28.1132, 41.1359, 55.8929

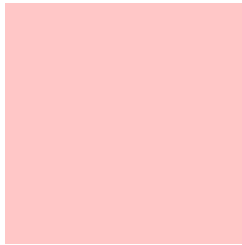


2.7373, 4.0053, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 71.9722, 66.2304, 63.0232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

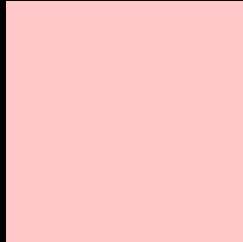
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9722, 66.2304, 63.0232 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 71.9722, 66.2304, 63.0232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9722, 66.2304, 63.0232.



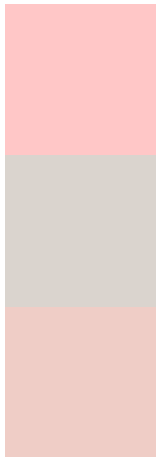
This preview shows how white text looks on a background with the XYZ color 71.9722, 66.2304,



# 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

71.9722, 66.2304, 63.0232

### Protanopia

63.5975, 66.4486, 67.8664

### Deuteranopia

67.6210, 66.0906, 62.6188



## Tritanopia

73.3177, 66.4016, 71.2399

# Trichromacy



## Original Color

71.9722, 66.2304, 63.0232

## Protanomaly

66.0473, 65.9264, 65.7439

## Deuteranomaly

69.2052, 66.2016, 62.5568

## Tritanomaly

72.6966, 66.1532, 67.9688

# Monochromacy



## Original Color

71.9722, 66.2304, 63.0232

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

67.3126, 67.5693, 70.4672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9722, 66.2304, 63.0232 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 199) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 71.9722, 66.2304, 63.0232 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, 199) }
```



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

```
.border{ border-color:rgb(255, 199, 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, 199, 199)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 71.9722, 66.2304, 63.0232 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, 199) }
```

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

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