

# Converting Colors

XYZ(77.1287, 68.7042, 62.7445)

Have a look what the booklet for  
XYZ(77.1287, 68.7042, 62.7445)  
contains.

<b>XYZ(71.6271, 65.7254, 62.3372)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.6271, 65.7254,  
62.3372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC6C6
RGB	255, 198, 198
RGB Percent	100%, 78%, 78%
CMY	0.0000, 0.2235, 0.2235
CMYK	0.00, 0.22, 0.22, 0.00
HSL	0°, 100%, 89%
HSV	0°, 22%, 100%
XYZ	71.6271, 65.7254, 62.3372
YIQ	215.0430, 33.9720, 12.0840

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 198, 198
Decimal	16762566
CIE <sub>Lab</sub>	84.86, 20.28, 7.82
CIE <sub>LCh</sub>	85, 21.736, 21.085
Yxy	65.7254, 0.3587, 0.3291
Android (android.graphics.Color)	4294952646 (0xFFFFC6C6)
YUV	215.0430, -8.4022, 35.0423
Hunter-Lab	81.0712, 15.8317, 11.1606

# Details

The XYZ color **71.6271, 65.7254, 62.3372** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.0975, 90.7428, 108.0594**, and the grayscale version is **64.6609, 68.0283, 74.0828**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0333, 33.8305, 30.9109** is the 20% darker color. If you saturate the color by 10%, you get **63.5842, 53.9569, 46.3462**, and if you desaturate by 10%, it is **81.1496, 79.6600, 81.2659**.

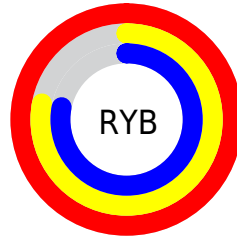
# Distribution



Red (100%)

Green (78%)

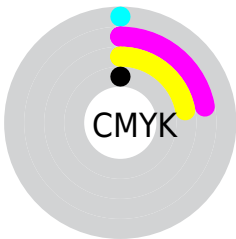
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

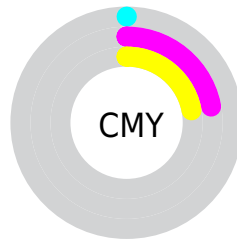


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6271, 65.7254, 62.3372 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 71.6271, 65.7254, 62.3372 by changing the saturation by 10% instead.



71.6271, 65.7254,  
62.3372

71.6271, 65.7254,  
62.3372

455.4204,  
445.3942, 451.2016

53.1385, 48.0495,  
44.8677

120.5399,  
113.0921, 109.7891

38.1413, 33.8661,  
31.0110

151.6948,  
143.5517, 140.6085

26.2701, 22.7908,  
20.3487

187.8025,  
179.0414, 176.7149

17.1595, 14.4391,  
12.4622

229.2283,  
219.9455, 218.5269

10.4443, 8.4267,  
6.9329

276.3377,  
266.6485, 266.4631

5.7590, 4.3692,  
3.3424

329.4959,

2.7384, 1.8821,

319.5346, 320.9418

1.2720

389.0684,  
378.9884, 382.3818

■ 1.0170, 0.5376,  
0.0387

■ 0.0000, 0.0000,  
0.0000

■ 71.6271, 65.7254,  
62.3372

■ 71.6271, 65.7254,  
62.3372

■ 63.5842, 53.9569,  
46.3462

■ 81.1496, 79.6600,  
81.2659

■ 56.9420, 44.2374,  
33.1419

■ 92.2154, 95.8522,  
103.2648

■ 51.6219, 36.4526,  
22.5661

95.0500, 100.0000,  
108.9000

■ 47.5356, 30.4731,  
14.4432

■ 44.5841, 26.1539,  
8.5760

■ 42.6528, 23.3277,  
4.7374

■ 41.6037, 21.7923,  
2.6524

■ 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.



72.1918, 65.7254, 75.8035



71.6271, 65.7254, 62.3372



68.5429, 65.7254, 52.6484

# Triad

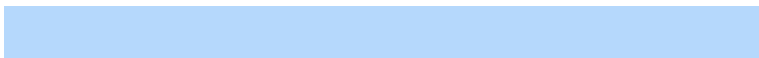
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.6271, 65.7254, 62.3372



55.4592, 65.7254, 55.9955



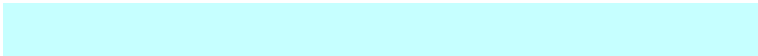
61.0292, 65.7254, 101.4838

# Complementary

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



71.6271, 65.7254, 62.3372



77.0975, 90.7428, 108.0594

# 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.



56.7669, 65.7254, 94.5406



71.6271, 65.7254, 62.3372



53.6627, 65.7254, 67.4851

# Square

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



71.6271, 65.7254, 62.3372



59.1593, 65.7254, 49.3316



54.1287, 65.7254, 81.6586



65.9020, 65.7254, 99.6365



# Rectangle

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



71.6271, 65.7254, 62.3372



65.5570, 65.7254, 49.0608



54.1287, 65.7254, 81.6586



59.4815, 65.7254, 100.0705

# Sweetspot

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



71.6287, 65.7283, 62.3385



86.8761, 88.0394, 92.6501



79.4844, 68.8688, 103.7115



18.4520, 18.6347, 19.5466



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

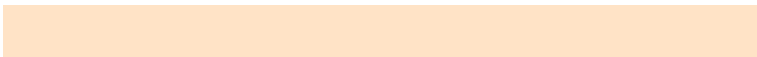
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6287, 65.7283, 62.3385



67.7107, 59.9951, 54.5495



78.7659, 80.0027, 64.7176



18.0096, 17.9873, 18.6670



21.5490, 11.1092, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

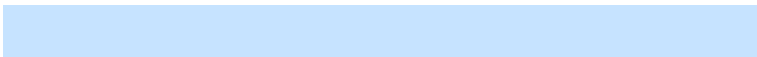
The Inverse Universe completely reimagines the original color for something new.



77.0975, 90.7428, 108.0594



74.0943, 89.1941, 107.9187



68.6718, 73.8914, 105.2508



18.5548, 20.4812, 23.2253



28.1133, 41.1362, 55.8929



2.7373, 4.0054, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 71.6271, 65.7254, 62.3372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

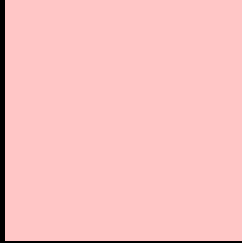
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6271, 65.7254, 62.3372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

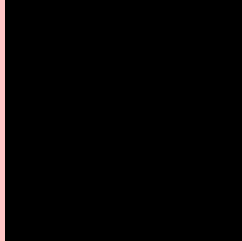
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.6271, 65.7254, 62.3372

## Background



This preview shows how black text looks on a background with the XYZ color 71.6271, 65.7254, 62.3372.



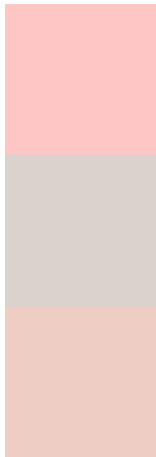
This preview shows how white text looks on a background with the XYZ color 71.6271, 65.7254,



# 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

71.6271, 65.7254, 62.3372

### Protanopia

63.2272, 65.9017, 67.1455

### Deuteranopia

67.1693, 65.8710, 61.9975



## Tritanopia

72.9641, 65.8957, 70.5015

# Trichromacy



## Original Color

71.6271, 65.7254, 62.3372

## Protanomaly

65.6870, 65.3958, 65.0377

## Deuteranomaly

68.5068, 65.5054, 61.8564

## Tritanomaly

72.3468, 65.6487, 67.2509

# Monochromacy



## Original Color

71.6271, 65.7254, 62.3372

## 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 71.6271, 65.7254, 62.3372 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, 198)` looks like.

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

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, 198) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 71.6271, 65.7254, 62.3372 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, 198) }
```



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

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

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, 198)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 71.6271, 65.7254, 62.3372 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, 198) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor