

# Converting Colors

XYZ(70.5857, 62.0810, 66.8037)

Have a look what the booklet for  
XYZ(70.5857, 62.0810, 66.8037)  
contains.

<b>XYZ(70.5782, 62.1114, 66.6613)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(70.5782, 62.1114,  
66.6613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDCE
RGB	255, 189, 206
RGB Percent	100%, 74%, 81%
CMY	0.0000, 0.2588, 0.1922
CMYK	0.00, 0.26, 0.19, 0.00
HSL	345°, 100%, 87%
HSV	345°, 26%, 100%
XYZ	70.5782, 62.1114, 66.6613
YIQ	210.6720, 33.8790, 19.2790

# Conversions

## Conversions Part 2

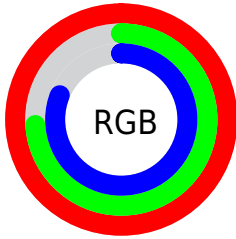
Format	Color
R <sub>Y</sub> B	255, 189, 206
Decimal	16760270
CIE Lab	82.97, 26.17, 0.82
CIE LCh	83, 26.180, 1.790
Yxy	62.1114, 0.3540, 0.3116
Android (android.graphics.Color)	4294950350 (0xFFFFBDCE)
YUV	210.6720, -2.3033, 38.8757
Hunter-Lab	78.8108, 21.9350, 5.0177

# Details

The XYZ color **70.5782, 62.1114, 66.6613** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.1811, 88.5129, 94.1730**, and the grayscale version is **61.7009, 64.9141, 70.6915**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **37.3574, 31.4653, 33.8102** is the 20% darker color. If you saturate the color by 10%, you get **63.4042, 51.2252, 53.5976**, and if you desaturate by 10%, it is **78.9965, 75.0424, 81.5082**.

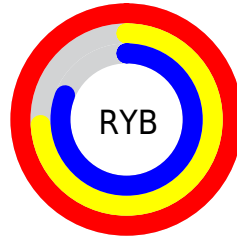
# Distribution



Red (100%)

Green (74%)

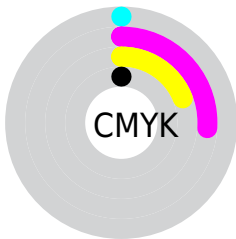
Blue (81%)



Red (100%)

Yellow (74%)

Blue (81%)

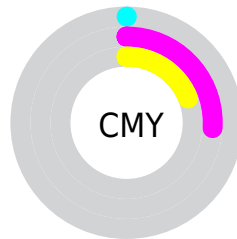


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5782, 62.1114, 66.6613 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 70.5782, 62.1114, 66.6613 by changing the saturation by 10% instead.





 70.5782, 62.1114,  
66.6613

 70.5782, 62.1114,  
66.6613


451.8124,  
432.3373, 467.2068

 52.2793, 45.1227,  
48.3496


 119.0547,  
107.8865, 116.0710

 37.4530, 31.5541,  
33.7418


149.9631,  
137.4417, 148.0060

 25.7337, 21.0211,  
22.4196


185.8054,  
171.9546, 185.3192

 16.7561, 13.1395,  
13.9643

226.9469,  
211.8095, 228.4292

 10.1550, 7.5246,  
7.9574

273.7530,  
257.3908, 277.7543

 5.5649, 3.7923,  
3.9803

326.5890,

 2.6205, 1.5581,

309.0830, 333.7133

1.6145

385.8204,  
367.2703, 396.7246

■ 0.9564, 0.3291,  
0.3012

■ 0.0000, 0.0000,  
0.0000

■ 70.5782, 62.1114,  
66.6613

■ 70.5782, 62.1114,  
66.6613

■ 63.4042, 51.2252,  
53.5976

■ 78.9965, 75.0424,  
81.5082

■ 57.4098, 42.2709,  
42.2450

■ 88.7109, 90.1074,  
98.1993

■ 52.5311, 35.1367,  
32.5317

95.0500, 100.0000,  
108.9000

■ 48.6960, 29.6963,  
24.3792

■ 45.8237, 25.8069,  
17.7021

■ 43.8205, 23.3019,  
12.4059

■ 42.5723, 21.9755,  
8.3831

■ 42.2136, 21.6495,  
7.0571

# Harmonies

## Analogous

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



69.1398, 62.1114, 83.4355



70.5782, 62.1114, 66.6613



68.7634, 62.1114, 52.5207

# Triad

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



70.5782, 62.1114, 66.6613



53.4926, 62.1114, 44.4717



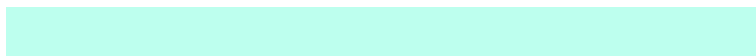
54.0450, 62.1114, 98.9336

# Complementary

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



70.5782, 62.1114, 66.6613



72.1811, 88.5129, 94.1730

# 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.



50.2704, 62.1114, 85.3873



70.5782, 62.1114, 66.6613



49.9661, 62.1114, 53.9562

# Square

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



70.5782, 62.1114, 66.6613



58.6962, 62.1114, 41.0442



48.8245, 62.1114, 68.6055



59.3751, 62.1114, 103.7549



# Rectangle

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



70.5782, 62.1114, 66.6613



66.0162, 62.1114, 46.0010



48.8245, 62.1114, 68.6055



52.5643, 62.1114, 95.1532

# Sweetspot

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



70.5796, 62.1141, 66.6626



86.5404, 86.7304, 94.5035



71.3082, 61.6915, 102.7570



18.2013, 18.0638, 19.6773



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.



70.5796, 62.1141, 66.6626



66.7544, 56.2906, 59.7550



72.1151, 68.3127, 57.5324



18.2013, 18.0638, 19.6773



22.1085, 11.3327, 3.9559



2.1948, 1.1203, 0.6073



# Inverse Universe

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



70.5796, 62.1141, 66.6626



66.7544, 56.2906, 59.7550



70.0807, 80.1253, 106.3798



18.2013, 18.0638, 19.6773



22.1085, 11.3327, 3.9559



2.1948, 1.1203, 0.6073



# Previews

## White Background



This preview shows how the XYZ color 70.5782, 62.1114, 66.6613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

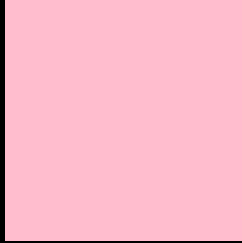
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.5782, 62.1114, 66.6613 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 70.5782, 62.1114, 66.6613**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.5782, 62.1114, 66.6613.



This preview shows how white text looks on a background with the XYZ color 70.5782, 62.1114,



# 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

70.5782, 62.1114, 66.6613

### Protanopia

60.4784, 62.5104, 73.8439

### Deuteranopia

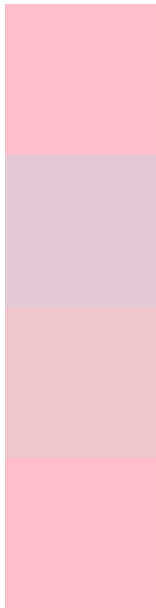
63.5483, 62.1622, 65.7759



## Tritanopia

70.3367, 62.0148, 65.3897

# Trichromacy



## Original Color

70.5782, 62.1114, 66.6613

## Protanomaly

63.5893, 62.0696, 70.9165

## Deuteranomaly

66.0193, 62.0648, 66.2577

## Tritanomaly

70.4570, 62.0630, 66.0235

# Monochromacy



## Original Color

70.5782, 62.1114, 66.6613

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

64.5431, 63.6462, 69.2048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.5782, 62.1114, 66.6613 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, 189, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 206)  
}
```

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, 189, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 70.5782, 62.1114, 66.6613 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, 189, 206) }
```



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

```
.border{ border-color:rgb(255, 189, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.5782, 62.1114, 66.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 206) }
```

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

```
.background{ background-color: rgb(255,  
189, 206) }
```

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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