

Converting Colors

XYZ(80.4369, 67.6978, 63.3446)

Have a look what the booklet for
XYZ(80.4369, 67.6978, 63.3446)
contains.

XYZ(70.0788, 62.2570, 62.9668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.0788, 62.2570,
62.9668)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBEC8
RGB	255, 190, 200
RGB Percent	100%, 75%, 78%
CMY	0.0000, 0.2549, 0.2157
CMYK	0.00, 0.25, 0.22, 0.00
HSL	351°, 100%, 87%
HSV	351°, 25%, 100%
XYZ	70.0788, 62.2570, 62.9668
YIQ	210.5750, 35.5300, 16.8900

Conversions

Conversions Part 2

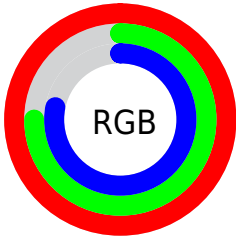
Format	Color
R _Y B	255, 190, 200
Decimal	16760520
CIE Lab	83.05, 24.76, 4.15
CIE LCh	83, 25.109, 9.509
Yxy	62.2570, 0.3588, 0.3188
Android (android.graphics.Color)	4294950600 (0xFFFFBEC8)
YUV	210.5750, -5.2135, 38.9607
Hunter-Lab	78.9031, 20.4566, 7.9172

Details

The XYZ color **70.0788, 62.2570, 62.9668** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.4789, 89.0608, 99.7078**, and the grayscale version is **61.6547, 64.8656, 70.6386**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **37.0184, 31.5540, 31.3336** is the 20% darker color. If you saturate the color by 10%, you get **62.6846, 51.2238, 48.9258**, and if you desaturate by 10%, it is **78.7981, 75.3704, 79.2071**.

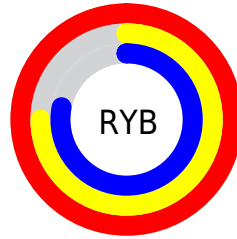
Distribution



Red (100%)

Green (75%)

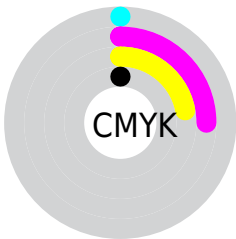
Blue (78%)



Red (100%)

Yellow (75%)

Blue (78%)

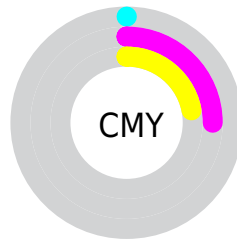


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0788, 62.2570, 62.9668 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 70.0788, 62.2570, 62.9668 by changing the saturation by 10% instead.


 70.0788, 62.2570,
62.9668

 70.0788, 62.2570,
62.9668


450.0887,
432.8679, 453.5536

 51.8706, 45.2404,
45.3735


 118.3468,
108.0969, 110.7067

 37.1258, 31.6468,
31.4067


149.1373,
137.6889, 141.6905

 25.4790, 21.0919,
20.6476

184.8526,
172.2416, 177.9748

 16.5649, 13.1912,
12.6780

225.8581,
212.1393, 219.9782

 10.0182, 7.5603,
7.0791

272.5191,
257.7664, 268.1192

 5.4734, 3.8149,
3.4324


325.2009,

 2.5652, 1.5706,


309.5072, 322.8164


1.3194


384.2690,
367.7463, 384.4884


 0.9282, 0.3376,
0.0776


 0.0000, 0.0000,
0.0000


 70.0788, 62.2570,
62.9668

 70.0788, 62.2570,
62.9668

 62.6846, 51.2238,
48.9258


 78.7981, 75.3704,
79.2071

 56.5460, 42.1560,
36.9853

 88.8987, 90.6548,
97.7320

 51.5937, 34.9403,
27.0448

95.0500, 100.0000,
108.9000

 47.7497, 29.4482,
18.9939

■ 44.9268, 25.5352,
12.7111

■ 43.0241, 23.0324,
8.0606

■ 41.9189, 21.7325,
4.8859

■ 41.6098, 21.4079,
3.8773

Harmonies

Analogous

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



69.5015, 62.2570, 78.8019



70.0788, 62.2570, 62.9668



67.5992, 62.2570, 50.4890

Triad

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



70.0788, 62.2570, 62.9668



52.7769, 62.2570, 47.2368



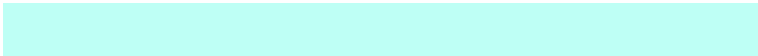
55.5935, 62.2570, 99.8294

Complementary

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



70.0788, 62.2570, 62.9668



73.4789, 89.0608, 99.7078

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.



51.4786, 62.2570, 88.6442



70.0788, 62.2570, 62.9668



49.9228, 62.2570, 57.8501

Square

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



70.0788, 62.2570, 62.9668



57.4654, 62.2570, 42.3679



49.4625, 62.2570, 72.8477



60.9150, 62.2570, 101.7588

Rectangle

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



70.0788, 62.2570, 62.9668



64.6304, 62.2570, 45.1489



49.4625, 62.2570, 72.8477



54.0326, 62.2570, 96.9541

Sweetspot

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



70.0802, 62.2597, 62.9681



86.2280, 86.6055, 92.8585



73.8312, 63.3127, 102.9370



18.1232, 18.0326, 19.2660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

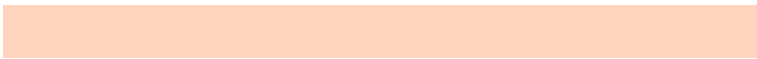
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0802, 62.2597, 62.9681



65.8442, 55.9265, 54.9619



73.9962, 71.9005, 58.6968



18.1232, 18.0326, 19.2660



21.7757, 11.1996, 2.2033



2.1518, 1.1031, 0.3810

Inverse Universe

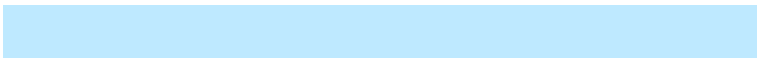
The Inverse Universe completely reimagines the original color for something new.



70.0802, 62.2597, 62.9681



65.8442, 55.9265, 54.9619



68.5207, 76.6358, 105.7885



18.1232, 18.0326, 19.2660



21.7757, 11.1996, 2.2033



2.1518, 1.1031, 0.3810

Previews

White Background



This preview shows how the XYZ color 70.0788, 62.2570, 62.9668 looks on a white background.

Color Contrast Check

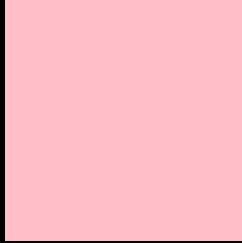
Large Text (above 18pt) WCAG AA × Fail

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 70.0788, 62.2570, 62.9668 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 70.0788, 62.2570, 62.9668

Background



This preview shows how black text looks on a background with the XYZ color 70.0788, 62.2570, 62.9668.



This preview shows how white text looks on a background with the XYZ color 70.0788, 62.2570,

62.9668.

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

70.0788, 62.2570, 62.9668

Protanopia

60.1583, 62.4477, 69.2045

Deuteranopia

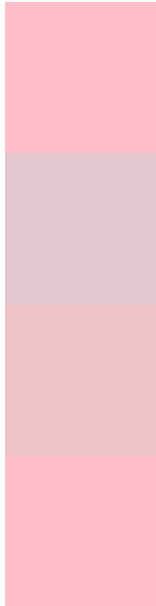
63.8023, 62.3747, 62.1029



Tritanopia

70.5525, 62.4465, 65.4616

Trichromacy



Original Color

70.0788, 62.2570, 62.9668

Protanomaly

63.1589, 61.9335, 67.0181

Deuteranomaly

65.9839, 62.1286, 62.5471

Tritanomaly

70.4329, 62.3987, 64.8318

Monochromacy



Original Color

70.0788, 62.2570, 62.9668

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

64.2970, 63.5478, 67.9086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0788, 62.2570, 62.9668 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, 190, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 200)  
}
```

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, 190, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 200) }
```

Border

The CSS property to change the border of an element to XYZ 70.0788, 62.2570, 62.9668 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, 190, 200) }
```


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

```
.border{ border-color:rgb(255, 190, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0788, 62.2570, 62.9668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 200) }
```

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

```
.background{ background-color: rgb(255,  
190, 200) }
```

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