

Converting Colors

XYZ(70.3167, 60.4870, 69.9702)

Have a look what the booklet for
XYZ(70.3167, 60.4870, 69.9702)
contains.

XYZ(70.4726, 60.7114, 70.2915)	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(70.4726, 60.7114,
70.2915)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB9D4
RGB	255, 185, 212
RGB Percent	100%, 73%, 83%
CMY	0.0000, 0.2745, 0.1686
CMYK	0.00, 0.27, 0.17, 0.00
HSL	337°, 100%, 86%
HSV	337°, 27%, 100%
XYZ	70.4726, 60.7114, 70.2915
YIQ	209.0080, 33.0530, 23.2370

Conversions

Conversions Part 2

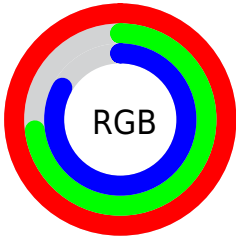
Format	Color
R _Y B	255, 185, 212
Decimal	16759252
CIE Lab	82.22, 29.17, -3.50
CIE LCh	82, 29.380, 353.153
Yxy	60.7114, 0.3498, 0.3013
Android (android.graphics.Color)	4294949332 (0xFFFFB9D4)
YUV	209.0080, 1.4751, 40.3350
Hunter-Lab	77.9175, 25.0889, 1.0552

Details

The XYZ color **70.4726, 60.7114, 70.2915** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.7734, 87.4368, 86.6020**, and the grayscale version is **60.5865, 63.7417, 69.4147**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **37.2281, 30.5372, 35.8304** is the 20% darker color. If you saturate the color by 10%, you get **63.7275, 50.2316, 58.7621**, and if you desaturate by 10%, it is **78.3691, 73.1865, 83.1521**.

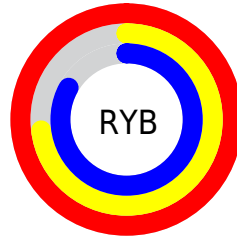
Distribution



Red (100%)

Green (73%)

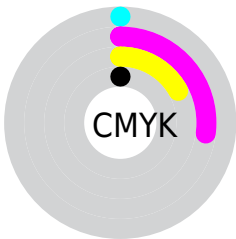
Blue (83%)



Red (100%)

Yellow (73%)

Blue (83%)

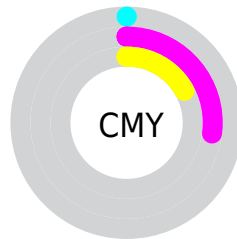


Cyan (0%)

Magenta (27%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4726, 60.7114, 70.2915 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 70.4726, 60.7114, 70.2915 by changing the saturation by 10% instead.


 70.4726, 60.7114,
70.2915

 70.4726, 60.7114,
70.2915


451.4482,
427.2150, 480.3896

 52.1929, 43.9923,
51.2859


 118.9051,
105.8610, 121.3094

 37.3837, 30.6645,
36.0579


149.7885,
135.0602, 154.1588

 25.6798, 20.3435,
24.1889

185.6040,
169.1883, 192.4599

 16.7157, 12.6450,
15.2603

226.7168,
208.6296, 236.6312

 10.1260, 7.1845,
8.8536

273.4922,
253.7685, 287.0913

 5.5455, 3.5778,
4.5503

326.2957,

 2.6087, 1.4403,

304.9895, 344.2587

1.9318

385.4926,
362.6768, 408.5519

■ 0.9504, 0.2461,
0.5129

■ 0.0000, 0.0000,
0.0000

■ 70.4726, 60.7114,
70.2915

■ 70.4726, 60.7114,
70.2915

■ 63.7275, 50.2316,
58.7621

■ 78.3691, 73.1865,
83.1521

■ 58.0727, 41.6346,
48.5146

■ 87.4651, 87.7456,
97.3836

■ 53.4481, 34.8090,
39.5017

95.0500, 100.0000,
108.9000

■ 49.7858, 29.6283,
31.6712

■ 47.0087, 25.9487,
24.9665

■ 45.0273, 23.6016,
19.3249

■ 43.7260, 22.3674,
14.6728

■ 43.4611, 22.1484,
13.6259

Harmonies

Analogous

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



67.8616, 60.7114, 88.9573



70.4726, 60.7114, 70.2915



69.4698, 60.7114, 53.4785

Triad

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



70.4726, 60.7114, 70.2915



53.1086, 60.7114, 39.2482



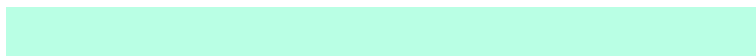
50.7959, 60.7114, 97.6359

Complementary

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



70.4726, 60.7114, 70.2915



69.7734, 87.4368, 86.6020

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.



47.3485, 60.7114, 80.5758



70.4726, 60.7114, 70.2915



48.6149, 60.7114, 47.5445

Square

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



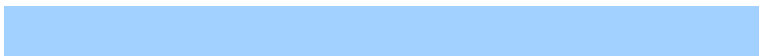
70.4726, 60.7114, 70.2915



59.1484, 60.7114, 37.4910



46.5798, 60.7114, 62.0870



56.2840, 60.7114, 106.4859

Rectangle

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



70.4726, 60.7114, 70.2915



66.9195, 60.7114, 45.2548



46.5798, 60.7114, 62.0870



49.3766, 60.7114, 92.5382

Sweetspot

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



70.4741, 60.7141, 70.2927



86.9313, 86.8868, 96.5623



67.0796, 58.2518, 102.3160



18.2993, 18.1030, 20.1934



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.



70.4741, 60.7141, 70.2927



66.5904, 54.6555, 63.7303



68.8485, 62.4648, 54.3306



18.2993, 18.1030, 20.1934



22.7768, 11.6000, 7.4749



2.2692, 1.1500, 0.9989

Inverse Universe

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



70.4741, 60.7141, 70.2927



66.5904, 54.6555, 63.7303



71.6267, 84.6702, 107.1756



18.2993, 18.1030, 20.1934



22.7768, 11.6000, 7.4749



2.2692, 1.1500, 0.9989

Previews

White Background



This preview shows how the XYZ color 70.4726, 60.7114, 70.2915 looks on a white background.

Color Contrast Check

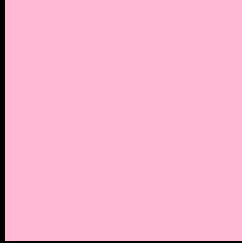
Large Text (above 18pt) WCAG AA × Fail

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 70.4726, 60.7114, 70.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

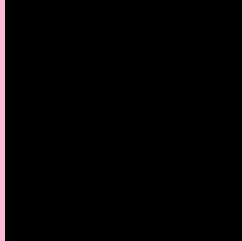
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4726, 60.7114, 70.2915

Background



This preview shows how black text looks on a background with the XYZ color 70.4726, 60.7114, 70.2915.



This preview shows how white text looks on a background with the XYZ color 70.4726, 60.7114,

70.2915.

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

70.4726, 60.7114, 70.2915

Protanopia

59.5408, 61.2100, 78.4886

Deuteranopia

62.3635, 61.1383, 68.8356



Tritanopia

69.1860, 60.8285, 63.3529

Trichromacy



Original Color

70.4726, 60.7114, 70.2915



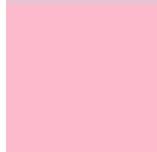
Protanomaly

62.8766, 60.5766, 75.3963



Deuteranomaly

65.1856, 60.8989, 69.2918



Tritanomaly

69.4514, 60.5964, 65.7934

Monochromacy



Original Color

70.4726, 60.7114, 70.2915



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

63.6512, 62.1304, 69.6104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4726, 60.7114, 70.2915 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, 185, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 212)  
}
```

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, 185, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 212) }
```

Border

The CSS property to change the border of an element to XYZ 70.4726, 60.7114, 70.2915 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, 185, 212) }
```


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

```
.border{ border-color:rgb(255, 185, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 185, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4726, 60.7114, 70.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 212) }
```

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

```
.background{ background-color: rgb(255,  
185, 212) }
```

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