

Converting Colors

XYZ(76.0230, 69.9729, 77.8117)

Have a look what the booklet for
XYZ(76.0230, 69.9729, 77.8117)
contains.

XYZ(76.1225, 70.1431, 77.9335)	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(76.1225, 70.1431,
77.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDDD
RGB	255, 205, 221
RGB Percent	100%, 80%, 87%
CMY	0.0000, 0.1961, 0.1333
CMYK	0.00, 0.20, 0.13, 0.00
HSL	341°, 100%, 90%
HSV	341°, 20%, 100%
XYZ	76.1225, 70.1431, 77.9335
YIQ	221.7740, 24.6640, 15.5760

Conversions

Conversions Part 2

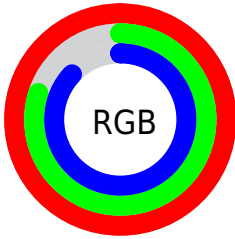
Format	Color
R _Y B	255, 205, 221
Decimal	16764381
CIE Lab	87.07, 20.08, -1.20
CIE LCh	87, 20.113, 356.575
Yxy	70.1431, 0.3395, 0.3129
Android (android.graphics.Color)	4294954461 (0xFFFFCDDD)
YUV	221.7740, -0.3816, 29.1392
Hunter-Lab	83.7515, 15.6752, 3.4547

Details

The XYZ color **76.1225, 70.1431, 77.9335** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **76.5192, 90.7323, 95.1450**, and the grayscale version is **69.2636, 72.8707, 79.3562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2382, 36.8922, 41.0238** is the 20% darker color. If you saturate the color by 10%, you get **68.3200, 58.0467, 64.5165**, and if you desaturate by 10%, it is **85.1609, 84.3289, 92.9418**.

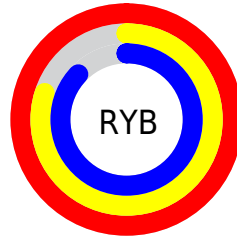
Distribution



Red (100%)

Green (80%)

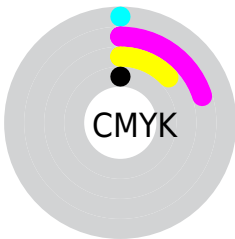
Blue (87%)



Red (100%)

Yellow (80%)

Blue (87%)

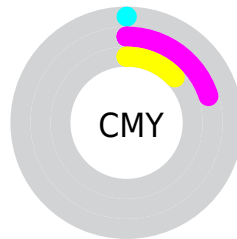


Cyan (0%)

Magenta (20%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1225, 70.1431, 77.9335 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 76.1225, 70.1431, 77.9335 by changing the saturation by 10% instead.


 76.1225, 70.1431,
77.9335

 76.1225, 70.1431,
77.9335


470.7049,
461.0523, 507.4629

 56.8304, 51.6432,
57.5032


126.8795,
119.4128, 132.2414

 41.1087, 36.7208,
40.9974


159.0751,
150.9514, 166.9561

 28.5921, 24.9914,
27.9973


196.3025,
187.6050, 207.2693

 18.9152, 16.0706,
18.0846

238.9271,
229.7581, 253.5997

 11.7126, 9.5741,
10.8407

287.3143,
277.7949, 306.3657

 6.6191, 5.1175,
5.8470

341.8294,

 3.2693, 2.3164,

332.1000, 365.9859

2.6850

402.8378,
393.0576, 432.8787

■ 1.2977, 0.7824,
0.9359

■ 0.1815, 0.0000,
0.0000

■ 76.1225, 70.1431,
77.9335

■ 76.1225, 70.1431,
77.9335

■ 68.3200, 58.0467,
64.5165

■ 85.1609, 84.3289,
92.9418

■ 61.6934, 47.9319,
52.6324

95.0500, 100.0000,
108.9000

■ 56.1846, 39.6944,
42.2255

■ 51.7286, 33.2168,
33.2347

■ 48.2531, 28.3683,
25.5945

■ 45.6764, 24.9998,
19.2332

■ 43.9022, 22.9340,
14.0711

■ 42.7842, 21.8952,
10.0079

■ 42.7473, 21.8629,
9.8673

Harmonies

Analogous

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



74.5156, 70.1431, 91.5680



76.1225, 70.1431, 77.9335



75.0996, 70.1431, 65.3496

Triad

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



76.1225, 70.1431, 77.9335



62.6994, 70.1431, 55.4493



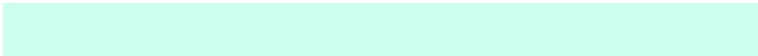
61.8044, 70.1431, 100.1270

Complementary

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



76.1225, 70.1431, 77.9335



76.5192, 90.7323, 95.1450

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.



58.8940, 70.1431, 88.5732



76.1225, 70.1431, 77.9335



59.3934, 70.1431, 62.9611

Square

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



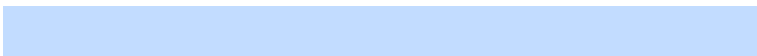
76.1225, 70.1431, 77.9335



67.2113, 70.1431, 53.3017



58.0323, 70.1431, 74.8353



66.1295, 70.1431, 105.2957

Rectangle

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



76.1225, 70.1431, 77.9335



73.0891, 70.1431, 59.0450



58.0323, 70.1431, 74.8353



60.6361, 70.1431, 96.7994

Sweetspot

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



76.1241, 70.1461, 77.9350



88.7315, 89.9716, 98.7521



75.2554, 69.1208, 103.9830



18.8511, 19.0343, 20.9083



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.



76.1241, 70.1461, 77.9350



72.5459, 64.5781, 71.8457



76.1396, 73.4270, 67.9212



18.2488, 18.0829, 19.9276



22.3962, 11.4478, 5.4709



2.2280, 1.1336, 0.7819

Inverse Universe

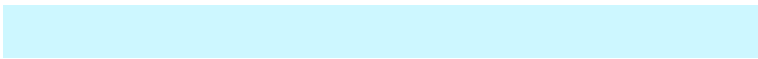
The Inverse Universe completely reimagines the original color for something new.



76.1241, 70.1461, 77.9350



72.5459, 64.5781, 71.8457



76.3877, 86.5184, 107.2814



18.2488, 18.0829, 19.9276



22.3962, 11.4478, 5.4709



2.2280, 1.1336, 0.7819

Previews

White Background



This preview shows how the XYZ color 76.1225, 70.1431, 77.9335 looks on a white background.

Color Contrast Check

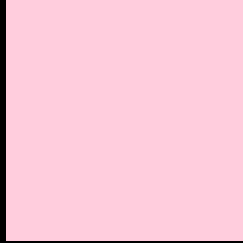
Large Text (above 18pt) WCAG AA × Fail

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 76.1225, 70.1431, 77.9335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

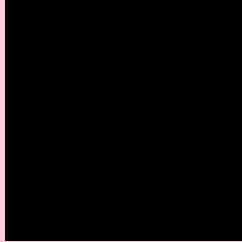
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.1225, 70.1431, 77.9335

Background



This preview shows how black text looks on a background with the XYZ color 76.1225, 70.1431, 77.9335.



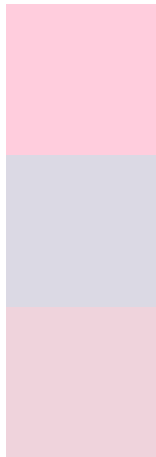
This preview shows how white text looks on a background with the XYZ color 76.1225, 70.1431,

77.9335.

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

76.1225, 70.1431, 77.9335

Protanopia

68.0299, 70.2872, 83.3800

Deuteranopia

71.8091, 70.1066, 77.4573



Tritanopia

76.1225, 70.1431, 77.9335

Trichromacy



Original Color

76.1225, 70.1431, 77.9335

Protanomaly

70.6636, 70.1805, 81.0560

Deuteranomaly

73.3749, 70.1807, 77.3891

Tritanomaly

76.1225, 70.1431, 77.9335

Monochromacy



Original Color

76.1225, 70.1431, 77.9335

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

71.6724, 71.8781, 79.2036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1225, 70.1431, 77.9335 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, 205, 221) looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 221)  
}
```

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, 205, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 221) }
```

Border

The CSS property to change the border of an element to XYZ 76.1225, 70.1431, 77.9335 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, 205, 221) }
```


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

```
.border{ border-color:rgb(255, 205, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1225, 70.1431, 77.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 221) }
```

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

```
.background{ background-color: rgb(255,  
205, 221) }
```

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