

# Converting Colors

XYZ(70.9078, 61.3885, 75.5642)

Have a look what the booklet for  
XYZ(70.9078, 61.3885, 75.5642)  
contains.

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# Color

**XYZ(70.8335, 61.4034,  
75.8289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCBBDC
RGB	252, 187, 220
RGB Percent	99%, 73%, 86%
CMY	0.0118, 0.2666, 0.1372
CMYK	0.00, 0.26, 0.13, 0.01
HSL	330°, 92%, 86%
HSV	330°, 26%, 99%
XYZ	70.8335, 61.4034, 75.8289
YIQ	210.1970, 28.1470, 24.0430

# Conversions

## Conversions Part 2

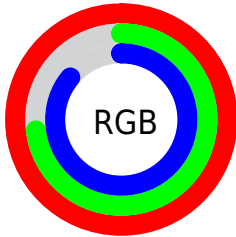
Format	Color
R <sub>Y</sub> B	252, 187, 220
Decimal	16563164
CIE Lab	82.60, 28.34, -7.29
CIE LCh	83, 29.261, 345.581
Yxy	61.4034, 0.3404, 0.2951
Android (android.graphics.Color)	4294753244 (0xFFFCBBDC)
YUV	210.1970, 4.8329, 36.6612
Hunter-Lab	78.3603, 24.2238, -2.5224

# Details

The XYZ color **70.8335, 61.4034, 75.8289** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.0926, 85.3018, 79.8978**, and the grayscale version is **61.3457, 64.5405, 70.2846**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **37.6847, 31.0938, 39.6128** is the 20% darker color. If you saturate the color by 10%, you get **64.3667, 51.0021, 65.8650**, and if you desaturate by 10%, it is **78.3639, 73.7351, 86.7505**.

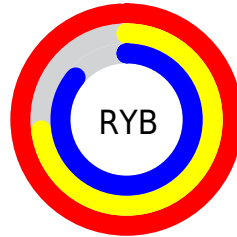
# Distribution



Red (99%)

Green (73%)

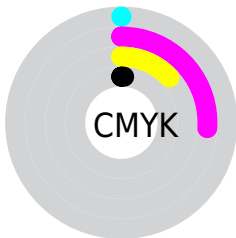
Blue (86%)



Red (99%)

Yellow (73%)

Blue (86%)

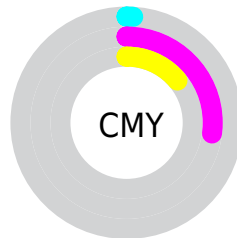


Cyan (0%)

Magenta (26%)

Yellow (13%)

Black (1%)



Cyan (1%)

Magenta (27%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8335, 61.4034, 75.8289 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 70.8335, 61.4034, 75.8289 by changing the saturation by 10% instead.




 70.8335, 61.4034,  
75.8289

 70.8335, 61.4034,  
75.8289


452.6921,  
429.7515, 500.0930

 52.4884, 44.5508,  
55.7864


 119.4164,  
106.8628, 129.2429

 37.6203, 31.1038,  
39.6288


150.3849,  
136.2384, 163.4515

 25.8640, 20.6779,  
26.9377


186.2919,  
170.5572, 203.2191

 16.8541, 12.8887,  
17.2944

227.5028,  
210.2034, 248.9645

 10.2252, 7.3520,  
10.2805

274.3829,  
255.5616, 301.1060

 5.6119, 3.6832,  
5.4773


327.2976,

 2.6490, 1.4980,


307.0161, 360.0622


2.4663


386.6122,  
364.9513, 426.2517


 0.9710, 0.2873,  
0.8222


 0.0000, 0.0000,  
0.0000


 70.8335, 61.4034,  
75.8289


 70.8335, 61.4034,  
75.8289


 64.3667, 51.0021,  
65.8650


 78.3639, 73.7351,  
86.7505

 58.9065, 42.4237,  
56.8247

 87.0004, 88.0808,  
98.6544

 54.3984, 35.5630,  
48.6771

 93.9553, 99.4356,  
108.8488

 50.7805, 30.3005,  
41.3877

■ 47.9829, 26.5012,  
34.9187

■ 45.9243, 24.0073,  
29.2280

■ 44.5046, 22.6237,  
24.2665

■ 44.0370, 22.2523,  
22.3722

# Harmonies

## Analogous

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



67.4028, 61.4034, 94.0504



70.8335, 61.4034, 75.8289



70.7615, 61.4034, 58.0065

# Triad

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



70.8335, 61.4034, 75.8289



55.1836, 61.4034, 38.8107



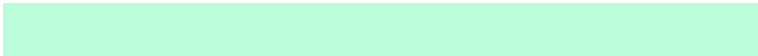
50.3247, 61.4034, 94.6732

# Complementary

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



70.8335, 61.4034, 75.8289



68.0926, 85.3018, 79.8978

# 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.



47.5030, 61.4034, 76.5667



70.8335, 61.4034, 75.8289



50.1682, 61.4034, 45.4878

# Square

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



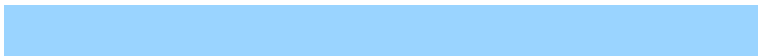
70.8335, 61.4034, 75.8289



61.4158, 61.4034, 38.6847



47.4478, 61.4034, 58.6238



55.4113, 61.4034, 106.1799



# Rectangle

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



70.8335, 61.4034, 75.8289



68.7259, 61.4034, 48.7140



47.4478, 61.4034, 58.6238



49.0964, 61.4034, 89.0257

# Sweetspot

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



70.8353, 61.4062, 75.8302



87.3087, 87.0378, 98.5495



64.3817, 57.5418, 99.8097



18.3942, 18.1410, 20.6929



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.



70.8353, 61.4062, 75.8302



69.1606, 57.2531, 72.4261



67.0036, 59.8735, 55.6526



17.6123, 17.3723, 19.8142



23.0138, 11.6212, 12.0471



2.1850, 1.0978, 1.3978



# Inverse Universe

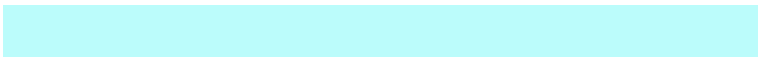
The Inverse Universe completely reimagines the original color for something new.



70.8353, 61.4062, 75.8302



69.1606, 57.2531, 72.4261



72.7053, 87.1469, 104.1879



17.6123, 17.3723, 19.8142



23.0138, 11.6212, 12.0471



2.1850, 1.0978, 1.3978



# Previews

## White Background



This preview shows how the XYZ color 70.8335, 61.4034, 75.8289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

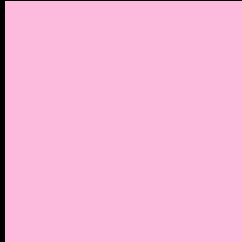
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8335, 61.4034, 75.8289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

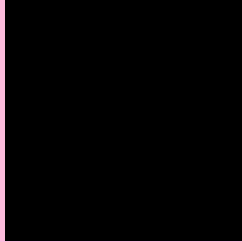
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.8335, 61.4034, 75.8289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8335, 61.4034, 75.8289.



This preview shows how white text looks on a background with the XYZ color 70.8335, 61.4034,

75.8289.

# 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

70.8335, 61.4034, 75.8289

### Protanopia

60.3738, 61.5118, 84.2922

### Deuteranopia

63.1280, 61.7427, 74.9200



## Tritanopia

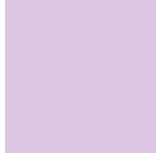
68.7369, 61.5105, 65.3766

# Trichromacy



## Original Color

70.8335, 61.4034, 75.8289



## Protanomaly

63.5744, 61.1499, 81.1254



## Deuteranomaly

65.5800, 61.3005, 75.3936



## Tritanomaly

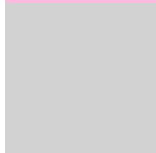
69.6141, 61.5576, 69.1855

# Monochromacy



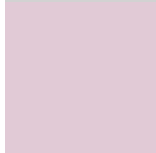
## Original Color

70.8335, 61.4034, 75.8289



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

64.3095, 63.1037, 72.4091

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8335, 61.4034, 75.8289 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(252, 187, 220)` looks like.

```
.text, #text, p{  
    color:rgb(252, 187, 220)  
}
```

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(252, 187, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 187, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8335, 61.4034, 75.8289 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".

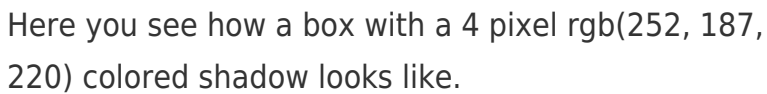
```
.border, #border, table{ border:4px solid rgb(252, 187, 220) }
```



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

```
.border{ border-color:rgb(252, 187, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(252, 187, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 187, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 187, 220); box-shadow:4px 4px 4px 4px rgb(252, 187, 220) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8335, 61.4034, 75.8289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 187, 220) }
```

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

```
.background{ background-color: rgb(252,  
187, 220) }
```

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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