

Converting Colors

XYZ(104.4130, 76.3034,
83.0814)

Have a look what the booklet for
XYZ(104.4130, 76.3034, 83.0814)
contains.

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Color

**XYZ(71.7041, 59.5597,
81.8457)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB4E5
RGB	255, 180, 229
RGB Percent	100%, 71%, 90%
CMY	0.0000, 0.2941, 0.1020
CMYK	0.00, 0.29, 0.10, 0.00
HSL	321°, 100%, 85%
HSV	321°, 29%, 100%
XYZ	71.7041, 59.5597, 81.8457
YIQ	208.0110, 28.9710, 31.1390

Conversions

Conversions Part 2

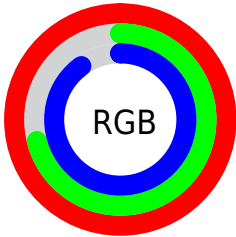
Format	Color
R_{YB}	255, 180, 229
Decimal	16757989
CIE _{Lab}	81.60, 34.49, -13.58
CIE _{LCh}	82, 37.062, 338.513
Yxy	59.5597, 0.3365, 0.2795
Android (android.graphics.Color)	4294948069 (0xFFFFB4E5)
YUV	208.0110, 10.3476, 41.2094
Hunter-Lab	77.1749, 30.7902, -8.8559

Details

The XYZ color **71.7041, 59.5597, 81.8457** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.7250, 85.6805, 71.4696**, and the grayscale version is **59.8846, 63.0033, 68.6106**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **38.1268, 29.8480, 43.7961** is the 20% darker color. If you saturate the color by 10%, you get **65.8189, 49.7145, 73.9487**, and if you desaturate by 10%, it is **78.6019, 71.3289, 90.3919**.

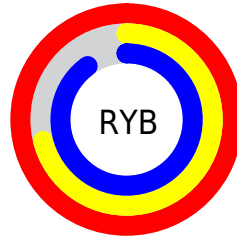
Distribution



Red (100%)

Green (71%)

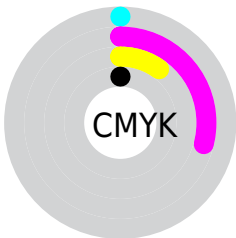
Blue (90%)



Red (100%)

Yellow (71%)

Blue (90%)

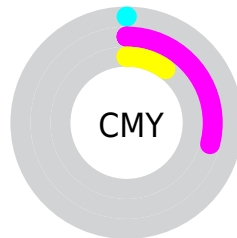


Cyan (0%)

Magenta (29%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7041, 59.5597, 81.8457 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 71.7041, 59.5597, 81.8457 by changing the saturation by 10% instead.


 71.7041, 59.5597,
81.8457

 71.7041, 59.5597,
81.8457


455.6847,
422.9729, 521.0013

 53.2016, 43.0638,
60.7033


 120.6488,
104.1907, 137.7923

 38.1918, 29.9352,
43.5568

151.8218,
133.0946, 173.4336

 26.3095, 19.7894,
29.9876


187.9489,
166.9033, 214.7450

 17.1892, 12.2421,
19.5772

229.3955,
206.0013, 262.1449

 10.4656, 6.9088,
11.9071

276.5271,
250.7728, 316.0520

 5.7734, 3.4051,
6.5586

329.7089,

 2.7471, 1.3467,

301.6023, 376.8847

3.1134

389.3063,
358.8742, 445.0616

■ 1.0215, 0.1769,
1.1528

■ 0.0000, 0.0000,
0.0000

■ 71.7041, 59.5597,
81.8457

■ 71.7041, 59.5597,
81.8457

■ 65.8189, 49.7145,
73.9487

■ 78.6019, 71.3289,
90.3919

■ 60.8892, 41.6814,
66.6749

■ 86.5571, 85.1110,
99.6045

■ 56.8584, 35.3485,
60.0018

95.0500, 100.0000,
108.9000

■ 53.6620, 30.5885,
53.9029

■ 51.2265, 27.2557,
48.3489

■ 49.4645, 25.1771,
43.3057

■ 48.2424, 24.0871,
38.7234

■ 48.1778, 24.0351,
38.4640

Harmonies

Analogous

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



66.4468, 59.5597, 104.4884



71.7041, 59.5597, 81.8457



72.7333, 59.5597, 58.7116

Triad

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



71.7041, 59.5597, 81.8457



54.4236, 59.5597, 31.0336



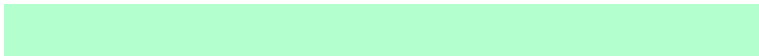
45.6912, 59.5597, 95.3591

Complementary

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



71.7041, 59.5597, 81.8457



65.7250, 85.6805, 71.4696

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.



43.0646, 59.5597, 71.4028



71.7041, 59.5597, 81.8457



47.7948, 59.5597, 36.7685

Square

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



71.7041, 59.5597, 81.8457



62.2687, 59.5597, 32.5920



43.7979, 59.5597, 50.3874



51.3044, 59.5597, 113.4512

Rectangle

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



71.7041, 59.5597, 81.8457



70.8007, 59.5597, 46.4709



43.7979, 59.5597, 50.3874



44.4542, 59.5597, 87.5310

Sweetspot

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



71.7055, 59.5622, 81.8469



86.9059, 85.7195, 99.9961



59.5505, 52.8447, 101.6691



18.3378, 17.8880, 21.1065



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.



71.7055, 59.5622, 81.8469



68.2933, 53.8266, 77.3529



67.1330, 57.7332, 57.7685



18.5095, 18.1871, 21.3000



25.2471, 12.5881, 20.4835



2.5098, 1.2463, 2.2660

Inverse Universe

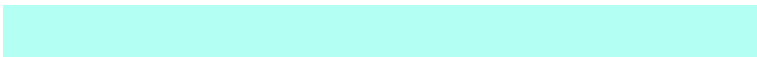
The Inverse Universe completely reimagines the original color for something new.



71.7055, 59.5622, 81.8469



68.2933, 53.8266, 77.3529



70.6862, 87.6650, 97.5950



18.5095, 18.1871, 21.3000



25.2471, 12.5881, 20.4835



2.5098, 1.2463, 2.2660

Previews

White Background



This preview shows how the XYZ color 71.7041, 59.5597, 81.8457 looks on a white background.

Color Contrast Check

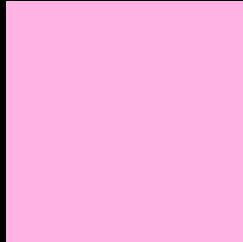
Large Text (above 18pt) WCAG AA × Fail

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 71.7041, 59.5597, 81.8457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

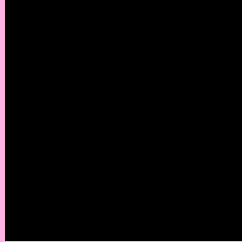
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7041, 59.5597, 81.8457

Background



This preview shows how black text looks on a background with the XYZ color 71.7041, 59.5597, 81.8457.



This preview shows how white text looks on a background with the XYZ color 71.7041, 59.5597,

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

71.7041, 59.5597, 81.8457

Protanopia

59.3124, 59.7137, 93.1938

Deuteranopia

61.0729, 59.8762, 80.2899



Tritanopia

67.5579, 59.3773, 62.5439

Trichromacy



Original Color

71.7041, 59.5597, 81.8457



Protanomaly

62.8215, 58.9119, 88.9490



Deuteranomaly

64.4908, 59.3016, 80.7204



Tritanomaly

68.8362, 59.2656, 69.4394

Monochromacy



Original Color

71.7041, 59.5597, 81.8457



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

63.6401, 61.3536, 73.4540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7041, 59.5597, 81.8457 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, 180, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 229)  
}
```

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, 180, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 229) }
```

Border

The CSS property to change the border of an element to XYZ 71.7041, 59.5597, 81.8457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

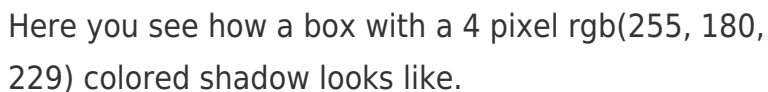
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 180, 229) }
```


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

```
.border{ border-color:rgb(255, 180, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 180, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 180, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 180, 229); box-shadow:4px 4px 4px 4px rgb(255, 180, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7041, 59.5597, 81.8457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 229) }
```

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

```
.background{ background-color: rgb(255,  
180, 229) }
```

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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