

Converting Colors

XYZ(71.1133, 58.8351, 80.2399)

Have a look what the booklet for
XYZ(71.1133, 58.8351, 80.2399)
contains.

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Color

**XYZ(71.0255, 58.6468,
80.2496)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB2E3
RGB	255, 178, 227
RGB Percent	100%, 70%, 89%
CMY	0.0000, 0.3019, 0.1098
CMYK	0.00, 0.30, 0.11, 0.00
HSL	322°, 100%, 85%
HSV	322°, 30%, 100%
XYZ	71.0255, 58.6468, 80.2496
YIQ	206.6090, 30.1630, 31.5630

Conversions

Conversions Part 2

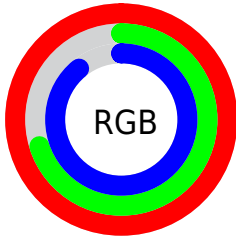
Format	Color
RYB	255, 178, 227
Decimal	16757475
CIELab	81.10, 35.21, -13.25
CIELCh	81, 37.617, 339.377
Yxy	58.6468, 0.3383, 0.2794
Android (android.graphics.Color)	4294947555 (0xFFFFB2E3)
YUV	206.6090, 10.0528, 42.4389
Hunter-Lab	76.5812, 31.5334, -8.5233

Details

The XYZ color **71.0255, 58.6468, 80.2496** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.2626, 85.4421, 71.4478**, and the grayscale version is **58.9819, 62.0535, 67.5763**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **37.6800, 29.2642, 42.6923** is the 20% darker color. If you saturate the color by 10%, you get **65.1699, 48.9288, 72.1526**, and if you desaturate by 10%, it is **77.8958, 70.2833, 89.0264**.

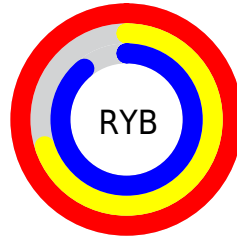
Distribution



Red (100%)

Green (70%)

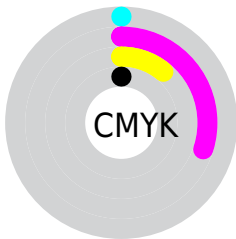
Blue (89%)



Red (100%)

Yellow (70%)

Blue (89%)

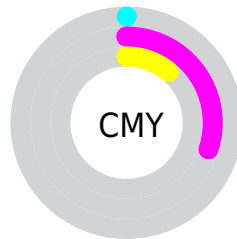


Cyan (0%)

Magenta (30%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0255, 58.6468, 80.2496 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 71.0255, 58.6468, 80.2496 by changing the saturation by 10% instead.


 71.0255, 58.6468,
80.2496

 71.0255, 58.6468,
80.2496


453.3530,
419.5918, 515.5025

 52.6456, 42.3289,
59.3964


 119.6884,
102.8642, 135.5312

 37.7463, 29.3589,
42.5102


150.7020,
131.5324, 170.7966

 25.9622, 19.3525,
29.1724

186.6577,
165.0861, 211.7032

 16.9279, 11.9252,
18.9646

227.9207,
203.9098, 258.6695

 10.2781, 6.6928,
11.4682

274.8563,
248.3878, 312.1141

 5.6474, 3.2707,
6.2645

327.8300,

 2.6705, 1.2747,

298.9045, 372.4554

2.9352

387.2072,
355.8444, 440.1120

■ 0.9820, 0.1215,
1.0616

■ 0.0000, 0.0000,
0.0000

■ 71.0255, 58.6468,
80.2496

■ 71.0255, 58.6468,
80.2496

■ 65.1699, 48.9288,
72.1526

■ 77.8958, 70.2833,
89.0264

■ 60.2714, 41.0168,
64.7088

■ 85.8261, 83.9280,
98.5011

■ 56.2729, 34.7979,
57.8944

94.8637, 99.6736,
108.6952

■ 53.1092, 30.1434,
51.6821

95.0500, 100.0000,
108.9000

■ 50.7055, 26.9060,
46.0413

■ 48.9731, 24.9096,
40.9365

■ 47.7856, 23.8782,
36.3985

Harmonies

Analogous

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



65.8314, 58.6468, 103.2441



71.0255, 58.6468, 80.2496



71.9253, 58.6468, 57.0969

Triad

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



71.0255, 58.6468, 80.2496



53.3289, 58.6468, 30.1059



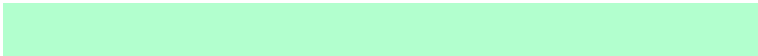
44.9123, 58.6468, 95.2429

Complementary

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



71.0255, 58.6468, 80.2496



65.2626, 85.4421, 71.4478

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.



42.1888, 58.6468, 71.1293



71.0255, 58.6468, 80.2496



46.7400, 58.6468, 36.0274

Square

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



71.0255, 58.6468, 80.2496



61.2054, 58.6468, 31.4480



42.8252, 58.6468, 49.8631



50.6139, 58.6468, 113.2094

Rectangle

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



71.0255, 58.6468, 80.2496



69.8922, 58.6468, 44.9826



42.8252, 58.6468, 49.8631



43.6436, 58.6468, 87.3852

Sweetspot

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



71.0269, 58.6493, 80.2508



86.8459, 85.6955, 99.6798



59.1357, 52.0357, 101.5349



18.3230, 17.8821, 21.0284



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.



71.0269, 58.6493, 80.2508



67.5063, 52.7789, 75.4678



66.4073, 56.8014, 55.9243



18.4959, 18.1817, 21.2287



25.0432, 12.5066, 19.4098



2.4909, 1.2387, 2.1663

Inverse Universe

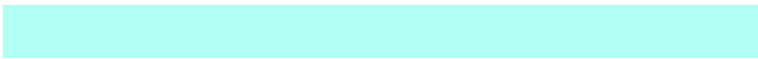
The Inverse Universe completely reimagines the original color for something new.



71.0269, 58.6493, 80.2508



67.5063, 52.7789, 75.4678



70.3673, 87.4840, 98.3288



18.4959, 18.1817, 21.2287



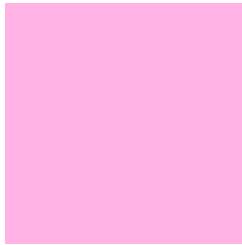
25.0432, 12.5066, 19.4098



2.4909, 1.2387, 2.1663

Previews

White Background



This preview shows how the XYZ color 71.0255, 58.6468, 80.2496 looks on a white background.

Color Contrast Check

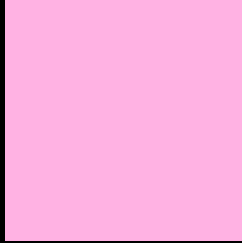
Large Text (above 18pt) WCAG AA × Fail

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 71.0255, 58.6468, 80.2496 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 71.0255, 58.6468, 80.2496

Background



This preview shows how black text looks on a background with the XYZ color 71.0255, 58.6468, 80.2496.



This preview shows how white text looks on a background with the XYZ color 71.0255, 58.6468,

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

71.0255, 58.6468, 80.2496

Protanopia

58.5238, 58.9969, 91.5221

Deuteranopia

60.0584, 58.7106, 78.6879



Tritanopia

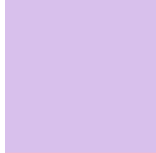
66.7952, 58.4074, 60.5766

Trichromacy



Original Color

71.0255, 58.6468, 80.2496



Protanomaly

62.3089, 58.3543, 87.3364



Deuteranomaly

63.4668, 58.1623, 79.1156



Tritanomaly

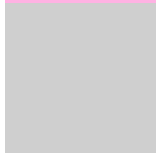
68.0539, 58.2973, 67.3402

Monochromacy



Original Color

71.0255, 58.6468, 80.2496



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

62.6180, 60.1822, 71.9343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0255, 58.6468, 80.2496 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, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 227)  
}
```

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, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 227) }
```

Border

The CSS property to change the border of an element to XYZ 71.0255, 58.6468, 80.2496 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, 178, 227) }
```


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

```
.border{ border-color:rgb(255, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0255, 58.6468, 80.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 227) }
```

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

```
.background{ background-color: rgb(255,  
178, 227) }
```

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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