

Converting Colors

XYZ(70.6760, 57.8713, 80.3687)

Have a look what the booklet for
XYZ(70.6760, 57.8713, 80.3687)
contains.

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Color

**XYZ(70.6305, 57.8567,
80.1179)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0E3
RGB	255, 176, 227
RGB Percent	100%, 69%, 89%
CMY	0.0000, 0.3098, 0.1098
CMYK	0.00, 0.31, 0.11, 0.00
HSL	321°, 100%, 85%
HSV	321°, 31%, 100%
XYZ	70.6305, 57.8567, 80.1179
YIQ	205.4350, 30.7130, 32.6090

Conversions

Conversions Part 2

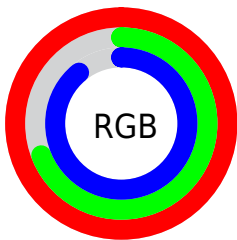
Format	Color
R_{YB}	255, 176, 227
Decimal	16756963
CIE _{Lab}	80.66, 36.25, -13.91
CIE _{LCh}	81, 38.827, 339.013
Yxy	57.8567, 0.3386, 0.2774
Android (android.graphics.Color)	4294947043 (0xFFFFB0E3)
YUV	205.4350, 10.6315, 43.4685
Hunter-Lab	76.0636, 32.6388, -9.2057

Details

The XYZ color **70.6305, 57.8567, 80.1179** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.5655, 85.1107, 70.1548**, and the grayscale version is **58.2272, 61.2596, 66.7117**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **37.4319, 28.7679, 42.6096** is the 20% darker color. If you saturate the color by 10%, you get **64.8773, 48.2945, 72.2065**, and if you desaturate by 10%, it is **77.3908, 69.3280, 88.6896**.

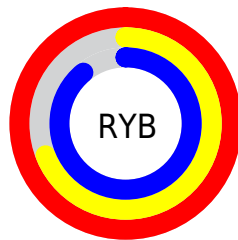
Distribution



Red (100%)

Green (69%)

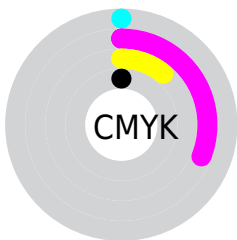
Blue (89%)



Red (100%)

Yellow (69%)

Blue (89%)

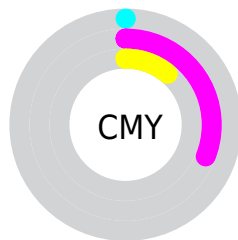


Cyan (0%)

Magenta (31%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6305, 57.8567, 80.1179 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 70.6305, 57.8567, 80.1179 by changing the saturation by 10% instead.


 70.6305, 57.8567,
80.1179

 70.6305, 57.8567,
80.1179


451.9927,
416.6518, 515.0473

 52.3222, 41.6935,
59.2886


 119.1288,
101.7142, 135.3444

 37.4872, 28.8613,
42.4240


150.0495,
130.1771, 170.5787

 25.7604, 18.9759,
29.1054


185.9051,
163.5089, 211.4517

 16.7762, 11.6529,
18.9143

227.0608,
202.0937, 258.3821

 10.1694, 6.5078,
11.4322

273.8821,
246.3159, 311.7883

 5.5745, 3.1562,
6.2405

326.7342,

 2.6263, 1.2138,

296.5601, 372.0889

2.9207

385.9826,
353.2106, 439.7024

■ 0.9594, 0.0730,
1.0543

■ 0.0000, 0.0000,
0.0000

■ 70.6305, 57.8567,
80.1179

■ 70.6305, 57.8567,
80.1179

■ 64.8773, 48.2945,
72.2065

■ 77.3908, 69.3280,
88.6896

■ 60.0736, 40.5284,
64.9292

■ 85.2040, 82.7987,
97.9394

■ 56.1620, 34.4447,
58.2623

■ 94.1175, 98.3622,
107.8886

■ 53.0764, 29.9132,
52.1789

■ 95.0500, 100.0000,
108.9000

■ 50.7416, 26.7851,
46.6486

■ 49.0672, 24.8813,
41.6357

■ 47.9967, 23.9627,
37.5104

Harmonies

Analogous

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



65.2480, 57.8567, 103.7744



70.6305, 57.8567, 80.1179



71.6158, 57.8567, 56.3467

Triad

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



70.6305, 57.8567, 80.1179



52.6174, 57.8567, 28.7484



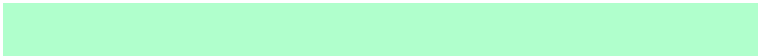
43.8895, 57.8567, 94.9771

Complementary

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



70.6305, 57.8567, 80.1179



64.5655, 85.1107, 70.1548

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.



41.1615, 57.8567, 70.1490



70.6305, 57.8567, 80.1179



45.8697, 57.8567, 34.6041

Square

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



70.6305, 57.8567, 80.1179



60.6831, 57.8567, 30.1805



41.8495, 57.8567, 48.5059



49.6666, 57.8567, 113.6963

Rectangle

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



70.6305, 57.8567, 80.1179



69.5613, 57.8567, 43.9630



41.8495, 57.8567, 48.5059



42.6122, 57.8567, 86.8555

Sweetspot

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



70.6318, 57.8591, 80.1191



86.8784, 85.7085, 99.8513



58.3835, 51.0615, 101.3864



18.3310, 17.8853, 21.0707



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.



70.6318, 57.8591, 80.1191



67.0495, 51.8778, 75.2768



65.8280, 55.9376, 54.8226



18.5033, 18.1846, 21.2674



25.1530, 12.5505, 19.9879



2.5011, 1.2428, 2.2200

Inverse Universe

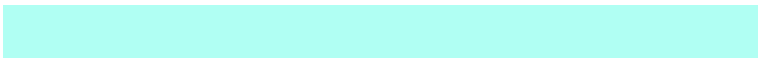
The Inverse Universe completely reimagines the original color for something new.



70.6318, 57.8591, 80.1191



67.0495, 51.8778, 75.2768



69.8663, 87.2310, 98.0685



18.5033, 18.1846, 21.2674



25.1530, 12.5505, 19.9879



2.5011, 1.2428, 2.2200

Previews

White Background



This preview shows how the XYZ color 70.6305, 57.8567, 80.1179 looks on a white background.

Color Contrast Check

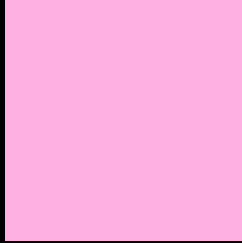
Large Text (above 18pt) WCAG AA × Fail

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 70.6305, 57.8567, 80.1179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

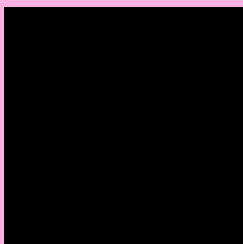
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.6305, 57.8567, 80.1179

Background



This preview shows how black text looks on a background with the XYZ color 70.6305, 57.8567, 80.1179.



This preview shows how white text looks on a background with the XYZ color 70.6305, 57.8567,

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

70.6305, 57.8567, 80.1179

Protanopia

57.9363, 58.3340, 92.2104

Deuteranopia

59.1289, 57.9132, 77.8740



Tritanopia

66.4754, 57.9506, 59.9065

Trichromacy



Original Color

70.6305, 57.8567, 80.1179



Protanomaly

61.6484, 57.6722, 88.0034



Deuteranomaly

62.8018, 57.5170, 78.3129



Tritanomaly

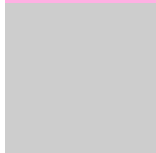
67.7286, 57.8430, 66.6266

Monochromacy



Original Color

70.6305, 57.8567, 80.1179



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

61.7335, 59.0756, 71.0998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6305, 57.8567, 80.1179 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, 176, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 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, 176, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 227) }
```

Border

The CSS property to change the border of an element to XYZ 70.6305, 57.8567, 80.1179 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, 176, 227) }
```


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

```
.border{ border-color:rgb(255, 176, 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, 176, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6305, 57.8567, 80.1179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 227) }
```

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

```
.background{ background-color: rgb(255,  
176, 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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