

Converting Colors

XYZ(125.2059, 84.8463,
84.4212)

Have a look what the booklet for
XYZ(125.2059, 84.8463, 84.4212)
contains.

XYZ(70.2755, 56.4782, 82.0604)	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(70.2755, 56.4782,
82.0604)**

Conversions

Conversions Part 1

Format	Color
Hex	FFACE6
RGB	255, 172, 230
RGB Percent	100%, 67%, 90%
CMY	0.0000, 0.3255, 0.0980
CMYK	0.00, 0.33, 0.10, 0.00
HSL	318°, 100%, 84%
HSV	318°, 33%, 100%
XYZ	70.2755, 56.4782, 82.0604
YIQ	203.4290, 30.8500, 35.6340

Conversions

Conversions Part 2

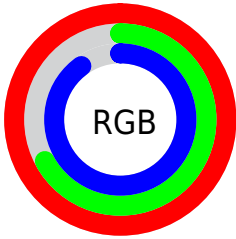
Format	Color
R _Y B	255, 172, 230
Decimal	16755942
CIE Lab	79.89, 38.83, -16.69
CIE LCh	80, 42.261, 336.742
Yxy	56.4782, 0.3365, 0.2705
Android (android.graphics.Color)	4294946022 (0xFFFFACE6)
YUV	203.4290, 13.0995, 45.2278
Hunter-Lab	75.1520, 35.4015, -12.1339

Details

The XYZ color **70.2755, 56.4782, 82.0604** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.8531, 84.3228, 65.7894**, and the grayscale version is **56.9422, 59.9076, 65.2394**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **37.1444, 27.8832, 43.4687** is the 20% darker color. If you saturate the color by 10%, you get **64.8248, 47.2652, 75.0389**, and if you desaturate by 10%, it is **76.7072, 67.5770, 89.6449**.

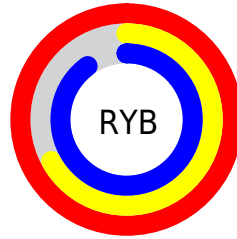
Distribution



Red (100%)

Green (67%)

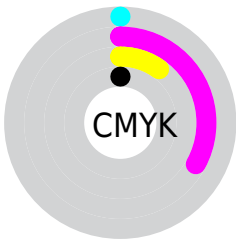
Blue (90%)



Red (100%)

Yellow (67%)

Blue (90%)

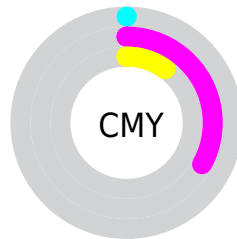


Cyan (0%)

Magenta (33%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2755, 56.4782, 82.0604 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 70.2755, 56.4782, 82.0604 by changing the saturation by 10% instead.

 70.2755, 56.4782,
82.0604

 70.2755, 56.4782,
82.0604


450.7681,
411.4912, 521.7385

 52.0316, 40.5865,
60.8792


 118.6257, 99.7034,
138.0961

 37.2546, 27.9961,
43.6978

149.4626,
127.8057, 173.7878

 25.5793, 18.3227,
30.0975

185.2280,
160.7469, 215.1533

 16.6402, 11.1819,
19.6600

226.2871,
198.9115, 262.6113

 10.0720, 6.1893,
11.9665

273.0053,
242.6838, 316.5803

 5.5093, 2.9605,
6.5986

325.7480,

 2.5869, 1.1112,

292.4482, 377.4788

3.1377

384.8804,
348.5892, 445.7253

■ 0.9393, 0.0000,
1.1654

■ 0.0000, 0.0000,
0.0000

■ 70.2755, 56.4782,
82.0604

■ 70.2755, 56.4782,
82.0604

■ 64.8248, 47.2652,
75.0389

■ 76.7072, 67.5770,
89.6449

■ 60.2975, 39.8239,
68.5559

■ 84.1662, 80.6532,
97.8086

■ 56.6353, 34.0388,
62.5899

■ 92.6998, 95.8009,
106.5708

■ 53.7716, 29.7775,
57.1154

95.0500, 100.0000,
108.9000

■ 51.6294, 26.8872,
52.1036

■ 50.1158, 25.1831,
47.5204

■ 49.2950, 24.4820,
44.3473

Harmonies

Analogous

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



64.1465, 56.4782, 107.5566



70.2755, 56.4782, 82.0604



71.7508, 56.4782, 56.1230

Triad

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



70.2755, 56.4782, 82.0604



51.7707, 56.4782, 25.5443



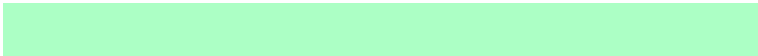
41.5369, 56.4782, 94.2414

Complementary

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



70.2755, 56.4782, 82.0604



62.8531, 84.3228, 65.7894

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.



38.9320, 56.4782, 67.1997



70.2755, 56.4782, 82.0604



44.4203, 56.4782, 30.9167

Square

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



70.2755, 56.4782, 82.0604



60.4493, 56.4782, 27.5465



39.9287, 56.4782, 44.6894



47.4375, 56.4782, 115.7958

Rectangle

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



70.2755, 56.4782, 82.0604



69.7703, 56.4782, 42.6215



39.9287, 56.4782, 44.6894



40.2771, 56.4782, 85.2508

Sweetspot

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



70.2767, 56.4805, 82.0615



86.2357, 84.3108, 99.9826



55.8045, 48.5847, 101.0443



18.2117, 17.6104, 21.1426



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.



70.2767, 56.4805, 82.0615



66.6498, 50.3248, 77.4667



65.1361, 54.4243, 54.9913



18.5459, 18.2017, 21.4919



25.8270, 12.8201, 23.5372



2.5631, 1.2676, 2.5468

Inverse Universe

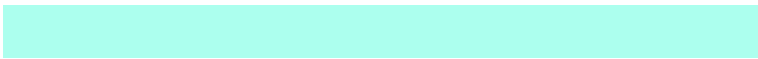
The Inverse Universe completely reimagines the original color for something new.



70.2767, 56.4805, 82.0615



66.6498, 50.3248, 77.4667



68.2662, 86.4880, 94.2941



18.5459, 18.2017, 21.4919



25.8270, 12.8201, 23.5372



2.5631, 1.2676, 2.5468

Previews

White Background



This preview shows how the XYZ color 70.2755, 56.4782, 82.0604 looks on a white background.

Color Contrast Check

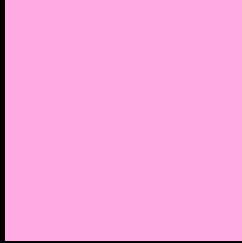
Large Text (above 18pt) WCAG AA × Fail

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 70.2755, 56.4782, 82.0604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

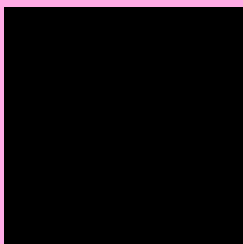
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2755, 56.4782, 82.0604

Background



This preview shows how black text looks on a background with the XYZ color 70.2755, 56.4782, 82.0604.



This preview shows how white text looks on a background with the XYZ color 70.2755, 56.4782,

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

70.2755, 56.4782, 82.0604

Protanopia

57.0219, 56.7601, 95.9461

Deuteranopia

57.9743, 56.6101, 79.8228



Tritanopia

65.1701, 56.4144, 57.9063

Trichromacy



Original Color

70.2755, 56.4782, 82.0604



Protanomaly

60.7989, 55.8886, 90.8022



Deuteranomaly

61.6455, 55.9320, 80.2199



Tritanomaly

66.8108, 56.2023, 65.7193

Monochromacy



Original Color

70.2755, 56.4782, 82.0604



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.9841, 58.0330, 70.9381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2755, 56.4782, 82.0604 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, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 230)  
}
```

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, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.2755, 56.4782, 82.0604 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, 172, 230) }
```


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

```
.border{ border-color:rgb(255, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2755, 56.4782, 82.0604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 230) }
```

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

```
.background{ background-color: rgb(255,  
172, 230) }
```

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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