

Converting Colors

XYZ(70.4059, 56.0760, 84.1483)

Have a look what the booklet for
XYZ(70.4059, 56.0760, 84.1483)
contains.

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Color

**XYZ(70.5109, 56.2690,
84.2355)**

Conversions

Conversions Part 1

Format	Color
Hex	FFABE9
RGB	255, 171, 233
RGB Percent	100%, 67%, 91%
CMY	0.0000, 0.3294, 0.0863
CMYK	0.00, 0.33, 0.09, 0.00
HSL	316°, 100%, 84%
HSV	316°, 33%, 100%
XYZ	70.5109, 56.2690, 84.2355
YIQ	203.1840, 30.1620, 37.0900

Conversions

Conversions Part 2

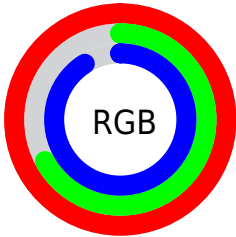
Format	Color
R_{YB}	255, 171, 233
Decimal	16755689
CIE _{Lab}	79.77, 39.84, -18.49
CIE _{LCh}	80, 43.922, 335.109
Yxy	56.2690, 0.3342, 0.2667
Android (android.graphics.Color)	4294945769 (0xFFFFABE9)
YUV	203.1840, 14.6993, 45.4426
Hunter-Lab	75.0127, 36.5154, -14.0709

Details

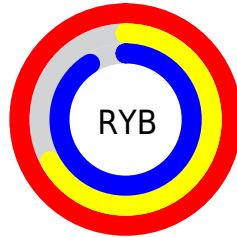
The XYZ color **70.5109, 56.2690, 84.2355** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.1821, 84.0291, 63.3968**, and the grayscale version is **56.7789, 59.7358, 65.0523**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **37.3231, 27.7672, 44.9874** is the 20% darker color. If you saturate the color by 10%, you get **65.2146, 47.1745, 77.8520**, and if you desaturate by 10%, it is **76.7749, 67.2407, 91.1212**.

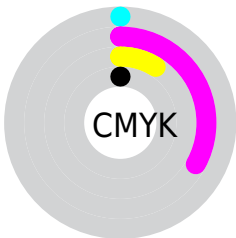
Distribution



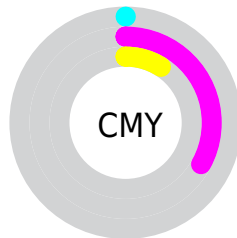
- Red (100%)
- Green (67%)
- Blue (91%)



- Red (100%)
- Yellow (67%)
- Blue (91%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5109, 56.2690, 84.2355 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 70.5109, 56.2690, 84.2355 by changing the saturation by 10% instead.

70.5109, 56.2690,
84.2355

70.5109, 56.2690,
84.2355

451.5803,
410.7045, 529.1734

52.2243, 40.4186,
62.6634

118.9593, 99.3978,
141.1692

37.4088, 27.8651,
45.1297

149.8519,
127.4450, 177.3679

25.6993, 18.2240,
31.2159

185.6770,
160.3266, 219.2792

16.7303, 11.1109,
20.5035

226.8002,
198.4270, 267.3216

10.1365, 6.1415,
12.5738

273.5868,
242.1306, 321.9137

5.5525, 2.9313,
7.0085

326.4021,

2.6130, 1.0960,

291.8218, 383.4740

3.3889

385.6115,
347.8849, 452.4210

■ 0.9526, 0.0000,
1.2965

■ 0.0000, 0.0000,
0.0589

■ 70.5109, 56.2690,
84.2355

■ 70.5109, 56.2690,
84.2355

■ 65.2146, 47.1745,
77.8520

■ 76.7749, 67.2407,
91.1212

■ 60.8283, 39.8428,
71.9474

■ 84.0525, 80.1816,
98.5241

■ 57.2936, 34.1580,
66.5009

■ 92.3913, 95.1856,
106.4627

■ 54.5439, 29.9871,
61.4883

95.0500, 100.0000,
108.9000

■ 52.5019, 27.1766,
56.8818

■ 51.0741, 25.5399,
52.6482

■ 50.3401, 24.9000,
49.8503

Harmonies

Analogous

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



63.9138, 56.2690, 110.5991



70.5109, 56.2690, 84.2355



72.3518, 56.2690, 57.0155

Triad

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



70.5109, 56.2690, 84.2355



51.9760, 56.2690, 24.3322



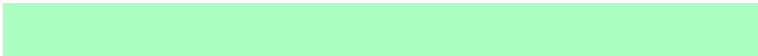
40.6966, 56.2690, 93.9089

Complementary

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



70.5109, 56.2690, 84.2355



62.1821, 84.0291, 63.3968

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.



38.2164, 56.2690, 65.7256



70.5109, 56.2690, 84.2355



44.2519, 56.2690, 29.3429

Square

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



70.5109, 56.2690, 84.2355



60.9939, 56.2690, 26.7574



39.4425, 56.2690, 42.9071



46.6137, 56.2690, 117.1810

Rectangle

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



70.5109, 56.2690, 84.2355



70.4778, 56.2690, 42.7738



39.4425, 56.2690, 42.9071



39.4650, 56.2690, 84.4449

Sweetspot

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



70.5122, 56.2713, 84.2366



86.3910, 84.3730, 100.8008



54.3534, 47.5551, 100.9221



18.2494, 17.6255, 21.3412



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.



70.5122, 56.2713, 84.2366



66.6745, 49.6598, 79.6777



65.3190, 54.1940, 56.8896



18.5776, 18.2143, 21.6587



26.3684, 13.0367, 26.3882



2.6123, 1.2873, 2.8057

Inverse Universe

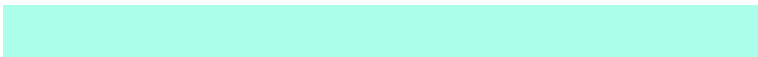
The Inverse Universe completely reimagines the original color for something new.



70.5122, 56.2713, 84.2366



66.6745, 49.6598, 79.6777



67.4074, 86.1192, 90.9129



18.5776, 18.2143, 21.6587



26.3684, 13.0367, 26.3882



2.6123, 1.2873, 2.8057

Previews

White Background



This preview shows how the XYZ color 70.5109, 56.2690, 84.2355 looks on a white background.

Color Contrast Check

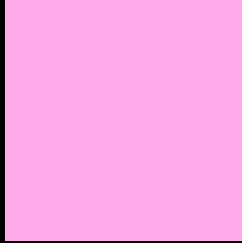
Large Text (above 18pt) WCAG AA × Fail

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 70.5109, 56.2690, 84.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

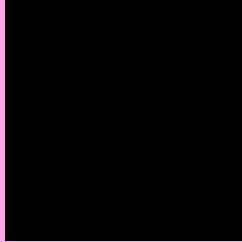
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5109, 56.2690, 84.2355

Background



This preview shows how black text looks on a background with the XYZ color 70.5109, 56.2690, 84.2355.



This preview shows how white text looks on a background with the XYZ color 70.5109, 56.2690,

84.2355.

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

70.5109, 56.2690, 84.2355

Protanopia

57.0028, 56.6963, 98.3816

Deuteranopia

57.8414, 56.4936, 81.9845



Tritanopia

65.0589, 56.3700, 57.3207

Trichromacy



Original Color

70.5109, 56.2690, 84.2355



Protanomaly

60.6778, 55.7739, 93.1553



Deuteranomaly

61.7561, 55.9407, 82.4056



Tritanomaly

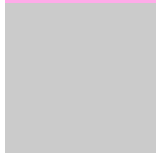
66.9327, 56.2511, 66.3613

Monochromacy



Original Color

70.5109, 56.2690, 84.2355



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.8926, 57.6462, 71.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5109, 56.2690, 84.2355 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, 171, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 233)  
}
```

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, 171, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 233) }
```

Border

The CSS property to change the border of an element to XYZ 70.5109, 56.2690, 84.2355 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, 171, 233) }
```


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

```
.border{ border-color:rgb(255, 171, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 171, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 171, 233); box-shadow:4px 4px 4px 4px rgb(255, 171, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5109, 56.2690, 84.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 233) }
```

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

```
.background{ background-color: rgb(255,  
171, 233) }
```

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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