

Converting Colors

XYZ(70.0236, 56.0288, 81.8090)

Have a look what the booklet for
XYZ(70.0236, 56.0288, 81.8090)
contains.

XYZ(70.0858, 56.0990, 81.9972)	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(70.0858, 56.0990,
81.9972)**

Conversions

Conversions Part 1

Format	Color
Hex	FFABE6
RGB	255, 171, 230
RGB Percent	100%, 67%, 90%
CMY	0.0000, 0.3294, 0.0980
CMYK	0.00, 0.33, 0.10, 0.00
HSL	318°, 100%, 84%
HSV	318°, 33%, 100%
XYZ	70.0858, 56.0990, 81.9972
YIQ	202.8420, 31.1250, 36.1570

Conversions

Conversions Part 2

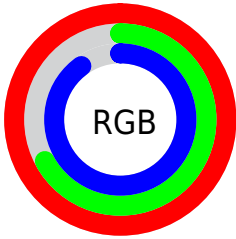
Format	Color
R_{YB}	255, 171, 230
Decimal	16755686
CIE _{Lab}	79.67, 39.35, -17.01
CIE _{LCh}	80, 42.867, 336.619
Yxy	56.0990, 0.3367, 0.2695
Android (android.graphics.Color)	4294945766 (0xFFFFABE6)
YUV	202.8420, 13.3889, 45.7426
Hunter-Lab	74.8993, 35.9548, -12.4792

Details

The XYZ color **70.0858, 56.0990, 81.9972** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.5203, 84.1644, 65.1778**, and the grayscale version is **56.5720, 59.5181, 64.8152**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **37.0272, 27.6489, 43.4296** is the 20% darker color. If you saturate the color by 10%, you get **64.6830, 46.9619, 75.0522**, and if you desaturate by 10%, it is **76.4668, 67.1176, 89.4987**.

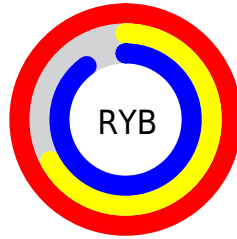
Distribution



Red (100%)

Green (67%)

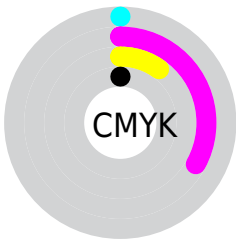
Blue (90%)



Red (100%)

Yellow (67%)

Blue (90%)

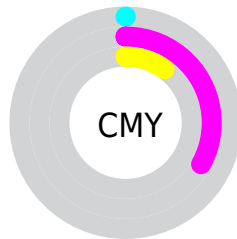


Cyan (0%)

Magenta (33%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0858, 56.0990, 81.9972 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 70.0858, 56.0990, 81.9972 by changing the saturation by 10% instead.

70.0858, 56.0990,
81.9972

70.0858, 56.0990,
81.9972

450.1129,
410.0645, 521.5215

51.8763, 40.2823,
60.8274

118.3567, 99.1493,
138.0067

37.1304, 27.7587,
43.6563

149.1489,
127.1517, 173.6835

25.4826, 18.1439,
30.0652

184.8659,
159.9848, 215.0331

16.5676, 11.0533,
19.6356

225.8733,
198.0330, 262.4740

10.0201, 6.1027,
11.9490

272.5364,
241.6807, 316.4248

5.4746, 2.9076,
6.5868

325.2204,

2.5659, 1.0837,

291.3122, 377.3039

3.1306

384.2908,
347.3120, 445.5300

■ 0.9286, 0.0000,
1.1617

■ 0.0000, 0.0000,
0.0000

■ 70.0858, 56.0990,
81.9972

■ 70.0858, 56.0990,
81.9972

■ 64.6830, 46.9619,
75.0522

■ 76.4668, 67.1176,
89.4987

■ 60.2001, 39.5916,
68.6392

■ 83.8718, 80.1094,
97.5726

■ 56.5788, 33.8721,
62.7366

■ 92.3487, 95.1687,
106.2383

■ 53.7521, 29.6705,
57.3190

95.0500, 100.0000,
108.9000

■ 51.6428, 26.8329,
52.3576

■ 50.1569, 25.1730,
47.8181

■ 49.3873, 24.5189,
44.8331

Harmonies

Analogous

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



63.8666, 56.0990, 107.8318



70.0858, 56.0990, 81.9972



71.6021, 56.0990, 55.7562

Triad

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



70.0858, 56.0990, 81.9972



51.4267, 56.0990, 24.9384



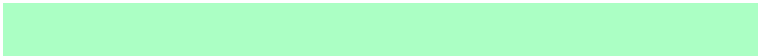
41.0568, 56.0990, 94.1189

Complementary

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



70.0858, 56.0990, 81.9972



62.5203, 84.1644, 65.1778

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.



38.4499, 56.0990, 66.7372



70.0858, 56.0990, 81.9972



44.0042, 56.0990, 30.2780

Square

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



70.0858, 56.0990, 81.9972



60.1953, 56.0990, 26.9686



39.4676, 56.0990, 44.0655



46.9900, 56.0990, 116.0496

Rectangle

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



70.0858, 56.0990, 81.9972



69.6105, 56.0990, 42.1333



39.4676, 56.0990, 44.0655



39.7934, 56.0990, 85.0001

Sweetspot

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



70.0871, 56.1014, 81.9983



86.2498, 84.3165, 100.0570



55.0692, 47.9242, 100.9556



18.2151, 17.6118, 21.1606



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.



70.0871, 56.1014, 81.9983



66.1730, 49.4592, 77.0372



65.0116, 54.0712, 55.2710



18.5488, 18.2028, 21.5071



25.8748, 12.8392, 23.7891



2.5675, 1.2694, 2.5698

Inverse Universe

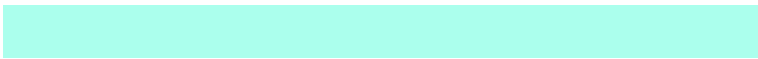
The Inverse Universe completely reimagines the original color for something new.



70.0871, 56.1014, 81.9983



66.1730, 49.4592, 77.0372



67.8130, 86.2814, 93.0485



18.5488, 18.2028, 21.5071



25.8748, 12.8392, 23.7891



2.5675, 1.2694, 2.5698

Previews

White Background



This preview shows how the XYZ color 70.0858, 56.0990, 81.9972 looks on a white background.

Color Contrast Check

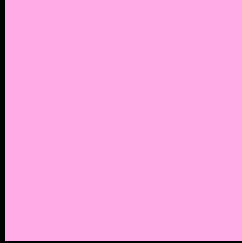
Large Text (above 18pt) WCAG AA × Fail

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 70.0858, 56.0990, 81.9972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

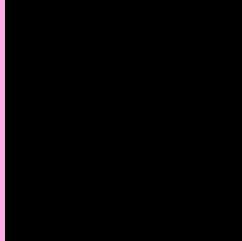
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0858, 56.0990, 81.9972

Background



This preview shows how black text looks on a background with the XYZ color 70.0858, 56.0990, 81.9972.



This preview shows how white text looks on a background with the XYZ color 70.0858, 56.0990,

81.9972.

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

70.0858, 56.0990, 81.9972

Protanopia

56.7781, 56.6344, 95.9347

Deuteranopia

57.6993, 56.4683, 79.8099



Tritanopia

64.8592, 55.9706, 57.2541

Trichromacy



Original Color

70.0858, 56.0990, 81.9972



Protanomaly

60.5115, 55.7404, 90.7888



Deuteranomaly

61.6455, 55.9320, 80.2199



Tritanomaly

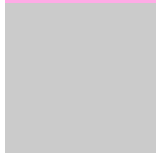
66.6154, 55.8116, 65.6542

Monochromacy



Original Color

70.0858, 56.0990, 81.9972



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.7652, 57.5953, 70.8651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0858, 56.0990, 81.9972 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 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, 171, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 230) }
```

Border

The CSS property to change the border of an element to XYZ 70.0858, 56.0990, 81.9972 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, 230) }
```


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

```
.border{ border-color:rgb(255, 171, 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, 171, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0858, 56.0990, 81.9972 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, 230) }
```

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

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