

Converting Colors

XYZ(70.7030, 56.9561, 83.3660)

Have a look what the booklet for
XYZ(70.7030, 56.9561, 83.3660)
contains.

XYZ(70.7491, 56.9733, 83.6120)	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(70.7491, 56.9733,
83.6120)**

Conversions

Conversions Part 1

Format	Color
Hex	FFADE8
RGB	255, 173, 232
RGB Percent	100%, 68%, 91%
CMY	0.0000, 0.3215, 0.0902
CMYK	0.00, 0.32, 0.09, 0.00
HSL	317°, 100%, 84%
HSV	317°, 32%, 100%
XYZ	70.7491, 56.9733, 83.6120
YIQ	204.2440, 29.9330, 35.7330

Conversions

Conversions Part 2

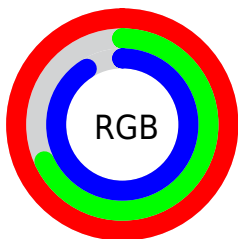
Format	Color
RYB	255, 173, 232
Decimal	16756200
CIELab	80.16, 38.64, -17.35
CIElCh	80, 42.351, 335.822
Yxy	56.9733, 0.3348, 0.2696
Android (android.graphics.Color)	4294946280 (0xFFFFA8E8)
YUV	204.2440, 13.6837, 44.5130
Hunter-Lab	75.4807, 35.2194, -12.8407

Details

The XYZ color **70.7491, 56.9733, 83.6120** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.9592, 84.3906, 65.1981**, and the grayscale version is **57.4529, 60.4449, 65.8245**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **37.4593, 28.1986, 44.5428** is the 20% darker color. If you saturate the color by 10%, you get **65.3225, 47.7131, 76.8925**, and if you desaturate by 10%, it is **77.1526, 68.1209, 90.8627**.

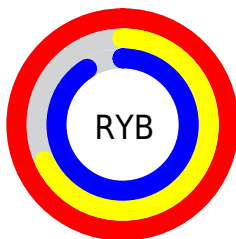
Distribution



Red (100%)

Green (68%)

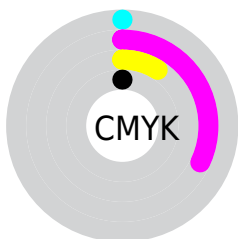
Blue (91%)



Red (100%)

Yellow (68%)

Blue (91%)

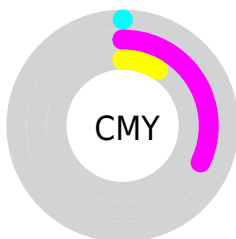


Cyan (0%)

Magenta (32%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (32%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7491, 56.9733, 83.6120 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 70.7491, 56.9733, 83.6120 by changing the saturation by 10% instead.

 70.7491, 56.9733,
83.6120

 70.7491, 56.9733,
83.6120


452.4014,
413.3493, 527.0482

 52.4193, 40.9838,
62.1516


 119.2969,
100.4262, 140.2892

 37.5650, 28.3064,
44.7186


150.2455,
128.6584, 176.3430

 25.8209, 18.5568,
30.8945


186.1311,
161.7404, 218.0985

 16.8217, 11.3505,
20.2608

227.3191,
200.0564, 265.9740

 10.2020, 6.3031,
12.3988

274.1747,
243.9909, 320.3883

 5.5964, 3.0302,
6.8900


327.0634,


 2.6395, 1.1475,


293.9283, 381.7597

3.3160


386.3505,
350.2529, 450.5068


 0.9661, 0.0182,
1.2582


 0.0000, 0.0000,
0.0271


 70.7491, 56.9733,
83.6120

 70.7491, 56.9733,
83.6120


 65.3225, 47.7131,
76.8925


 77.1526, 68.1209,
90.8627

 60.8154, 40.2265,
70.6803

 84.5788, 81.2471,
98.6599

 57.1698, 34.3986,
64.9546

 93.0751, 96.4456,
107.0225

 54.3197, 30.0977,
59.6907

95.0500, 100.0000,
108.9000

■ 52.1887, 27.1720,
54.8607

■ 50.6848, 25.4383,
50.4314

■ 49.8367, 24.6987,
47.1994

Harmonies

Analogous

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



64.4585, 56.9733, 109.1133



70.7491, 56.9733, 83.6120



72.3996, 56.9733, 57.3361

Triad

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



70.7491, 56.9733, 83.6120



52.4851, 56.9733, 25.7422



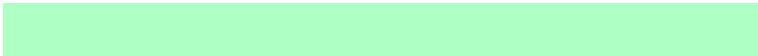
41.7769, 56.9733, 94.2225

Complementary

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



70.7491, 56.9733, 83.6120



62.9592, 84.3906, 65.1981

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.



39.2602, 56.9733, 66.9823



70.7491, 56.9733, 83.6120



45.0062, 56.9733, 30.9216

Square

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



70.7491, 56.9733, 83.6120



61.2382, 56.9733, 27.9881



40.3766, 56.9733, 44.5303



47.6336, 56.9733, 116.2915

Rectangle

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



70.7491, 56.9733, 83.6120



70.5089, 56.9733, 43.5467



40.3766, 56.9733, 44.5303



40.5423, 56.9733, 85.1293

Sweetspot

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



70.7503, 56.9756, 83.6132



86.3175, 84.3436, 100.4134



55.4670, 48.6943, 101.0832



18.2315, 17.6183, 21.2471



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.



70.7503, 56.9756, 83.6132



66.9327, 50.4380, 78.9567



65.7144, 54.9612, 57.0943



18.5626, 18.2083, 21.5797



26.1077, 12.9324, 25.0154



2.5887, 1.2778, 2.6814

Inverse Universe

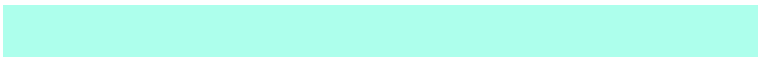
The Inverse Universe completely reimagines the original color for something new.



70.7503, 56.9756, 83.6132



66.9327, 50.4380, 78.9567



68.1160, 86.4534, 92.3535



18.5626, 18.2083, 21.5797



26.1077, 12.9324, 25.0154



2.5887, 1.2778, 2.6814

Previews

White Background



This preview shows how the XYZ color 70.7491, 56.9733, 83.6120 looks on a white background.

Color Contrast Check

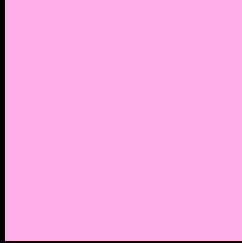
Large Text (above 18pt) WCAG AA × Fail

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 70.7491, 56.9733, 83.6120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

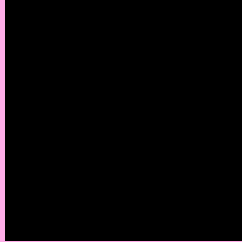
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7491, 56.9733, 83.6120

Background



This preview shows how black text looks on a background with the XYZ color 70.7491, 56.9733, 83.6120.



This preview shows how white text looks on a background with the XYZ color 70.7491, 56.9733,

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

70.7491, 56.9733, 83.6120

Protanopia

57.4030, 57.2746, 96.8366

Deuteranopia

58.4722, 57.1641, 81.3508



Tritanopia

65.4832, 56.8616, 58.5630

Trichromacy



Original Color

70.7491, 56.9733, 83.6120



Protanomaly

61.1616, 56.3743, 91.6622



Deuteranomaly

62.1332, 56.4629, 81.7524



Tritanomaly

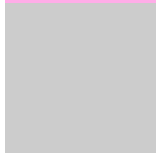
67.2522, 56.6938, 67.0729

Monochromacy



Original Color

70.7491, 56.9733, 83.6120



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.6390, 58.6829, 71.6965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7491, 56.9733, 83.6120 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, 173, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 232)  
}
```

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, 173, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.7491, 56.9733, 83.6120 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, 173, 232) }
```


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

```
.border{ border-color:rgb(255, 173, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7491, 56.9733, 83.6120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 232) }
```

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

```
.background{ background-color: rgb(255,  
173, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor