

Converting Colors

XYZ(56.8912, 41.0160, 42.7429)

Have a look what the booklet for
XYZ(56.8912, 41.0160, 42.7429)
contains.

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Color

**XYZ(56.8832, 40.9373,
42.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	FF85AA
RGB	255, 133, 170
RGB Percent	100%, 52%, 67%
CMY	0.0000, 0.4784, 0.3333
CMYK	0.00, 0.48, 0.33, 0.00
HSL	342°, 100%, 76%
HSV	342°, 48%, 100%
XYZ	56.8832, 40.9373, 42.9338
YIQ	173.6960, 60.8350, 37.3710

Conversions

Conversions Part 2

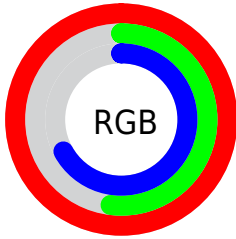
Format	Color
R_{YB}	255, 133, 170
Decimal	16745898
CIE _{Lab}	70.13, 50.10, 1.84
CIE _{LCh}	70, 50.134, 2.108
Yxy	40.9373, 0.4041, 0.2908
Android (android.graphics.Color)	4294935978 (0xFFFF85AA)
YUV	173.6960, -1.8221, 71.3036
Hunter-Lab	63.9823, 46.7258, 5.0024

Details

The XYZ color **56.8832, 40.9373, 42.9338** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.0897, 81.5694, 79.0168**, and the grayscale version is **40.0646, 42.1510, 45.9025**.

A 20% lighter version of the original color is **73.0282, 63.0914, 79.5630**, and **28.5717, 18.5021, 19.2049** is the 20% darker color. If you saturate the color by 10%, you get **52.2374, 34.1561, 33.6457**, and if you desaturate by 10%, it is **62.6057, 49.5080, 53.7023**.

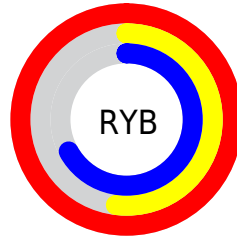
Distribution



Red (100%)

Green (52%)

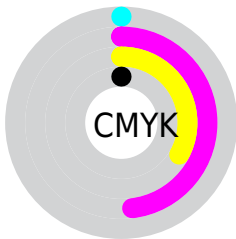
Blue (67%)



Red (100%)

Yellow (52%)

Blue (67%)

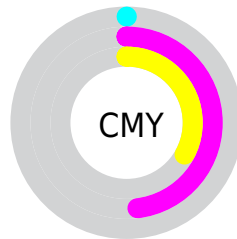


Cyan (0%)

Magenta (48%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8832, 40.9373, 42.9338 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 56.8832, 40.9373, 42.9338 by changing the saturation by 10% instead.


 56.8832, 40.9373,
42.9338


 56.8832, 40.9373,
42.9338


403.0328,
350.0585, 374.2527


 41.1512, 28.2701,
29.5022


 99.4271, 76.5887,
80.8962

 28.6255, 18.5294,
19.2122


 126.9697,
100.3417, 106.2641

 18.9405, 11.3307,
11.6453


 159.1800,
128.5587, 136.4478

 11.7311, 6.2897,
6.3831

196.4232,
161.6242, 171.8659

 6.6317, 3.0220,
3.0069

239.0647,
199.9225, 212.9369

 3.2771, 1.1433,
1.0981

287.4699,

 1.3020, 0.0146,

243.8381, 260.0793

0.0000

342.0041,
293.7553, 313.7117

■ 0.1847, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8832, 40.9373,
42.9338

■ 56.8832, 40.9373,
42.9338

■ 52.2374, 34.1561,
33.6457

■ 62.6057, 49.5080,
53.7023

■ 48.5935, 29.0299,
25.7673

■ 69.4662, 59.9776,
66.0126

■ 45.8721, 25.4150,
19.2249

■ 77.5252, 72.4543,
79.9252

■ 43.9790, 23.1399,
13.9358

■ 86.8380, 87.0358,
95.4966

■ 42.7912, 21.9761, 95.0500, 100.0000,
9.8034 108.9000

■ 42.5911, 21.8005,
9.0450

Harmonies

Analogous

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



54.5703, 40.9373, 69.2031



56.8832, 40.9373, 42.9338



53.8471, 40.9373, 24.6272

Triad

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



56.8832, 40.9373, 42.9338



31.1184, 40.9373, 16.2274



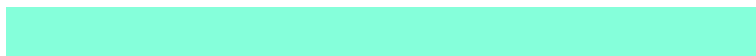
31.9917, 40.9373, 97.5622

Complementary

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



56.8832, 40.9373, 42.9338



58.0897, 81.5694, 79.0168

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.



27.0268, 40.9373, 73.1314



56.8832, 40.9373, 42.9338



26.5746, 40.9373, 26.6149

Square

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



56.8832, 40.9373, 42.9338



38.3328, 40.9373, 12.9688



25.1876, 40.9373, 46.2550



39.4924, 40.9373, 106.6181

Rectangle

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



56.8832, 40.9373, 42.9338



49.4160, 40.9373, 17.5963



25.1876, 40.9373, 46.2550



30.0092, 40.9373, 90.5341

Sweetspot

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



56.8843, 40.9393, 42.9346



80.9505, 77.8000, 85.7059



54.8665, 38.6522, 99.1766



16.9099, 16.0013, 17.6429



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.



56.8843, 40.9393, 42.9346



52.5882, 34.6605, 34.3710



57.2576, 46.5205, 28.1545



18.2361, 18.0777, 19.8604



22.3124, 11.4143, 5.0296



2.2185, 1.1298, 0.7322

Inverse Universe

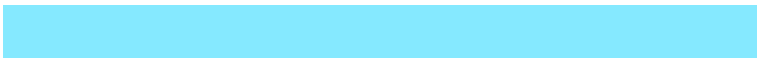
The Inverse Universe completely reimagines the original color for something new.



56.8843, 40.9393, 42.9346



52.5882, 34.6605, 34.3710



56.7596, 70.2783, 105.1813



18.2361, 18.0777, 19.8604



22.3124, 11.4143, 5.0296



2.2185, 1.1298, 0.7322

Previews

White Background



This preview shows how the XYZ color 56.8832, 40.9373, 42.9338 looks on a white background.

Color Contrast Check

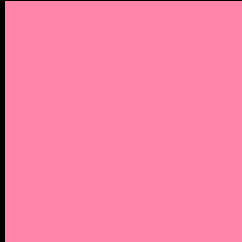
Large Text (above 18pt) WCAG AA × Fail

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 56.8832, 40.9373, 42.9338 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 56.8832, 40.9373, 42.9338

Background



This preview shows how black text looks on a background with the XYZ color 56.8832, 40.9373, 42.9338.



This preview shows how white text looks on a background with the XYZ color 56.8832, 40.9373,

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

56.8832, 40.9373, 42.9338

Protanopia

40.4395, 41.3666, 55.7223

Deuteranopia

41.8229, 41.0291, 40.8371



Tritanopia

54.7201, 40.8806, 32.6104

Trichromacy



Original Color

56.8832, 40.9373, 42.9338

Protanomaly

44.5281, 39.8540, 50.6931

Deuteranomaly

46.1701, 40.1605, 41.3947

Tritanomaly

55.5936, 41.0457, 36.0029

Monochromacy



Original Color

56.8832, 40.9373, 42.9338

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

44.5696, 40.5099, 45.0053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8832, 40.9373, 42.9338 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, 133, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 170)  
}
```

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, 133, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 170) }
```

Border

The CSS property to change the border of an element to XYZ 56.8832, 40.9373, 42.9338 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, 133, 170) }
```


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

```
.border{ border-color:rgb(255, 133, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8832, 40.9373, 42.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 170) }
```

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

```
.background{ background-color: rgb(255,  
133, 170) }
```

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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