

Converting Colors

XYZ(56.9880, 41.4551, 42.0185)

Have a look what the booklet for
XYZ(56.9880, 41.4551, 42.0185)
contains.

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Color

**XYZ(56.9719, 41.4151,
42.0370)**

Conversions

Conversions Part 1

Format	Color
Hex	FF87A8
RGB	255, 135, 168
RGB Percent	100%, 53%, 66%
CMY	0.0000, 0.4706, 0.3412
CMYK	0.00, 0.47, 0.34, 0.00
HSL	344°, 100%, 76%
HSV	344°, 47%, 100%
XYZ	56.9719, 41.4151, 42.0370
YIQ	174.6420, 60.9270, 35.7030

Conversions

Conversions Part 2

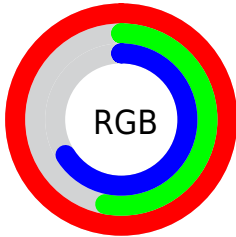
Format	Color
R_{YB}	255, 135, 168
Decimal	16746408
CIE _{Lab}	70.47, 48.88, 3.45
CIE _{LCh}	70, 49.002, 4.035
Yxy	41.4151, 0.4057, 0.2949
Android (android.graphics.Color)	4294936488 (0xFFFF87A8)
YUV	174.6420, -3.2745, 70.4740
Hunter-Lab	64.3546, 45.4022, 6.3194

Details

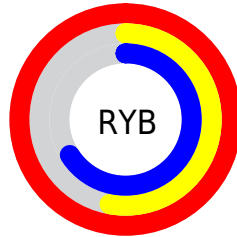
The XYZ color **56.9719, 41.4151, 42.0370** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.9385, 81.9457, 81.8223**, and the grayscale version is **40.5581, 42.6703, 46.4679**.

A 20% lighter version of the original color is **73.1901, 63.8493, 78.2787**, and **28.6005, 18.7479, 18.6343** is the 20% darker color. If you saturate the color by 10%, you get **52.2287, 34.4921, 32.5537**, and if you desaturate by 10%, it is **62.8140, 50.1438, 53.0957**.

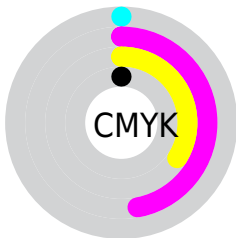
Distribution



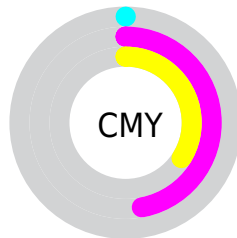
- Red (100%)
- Green (53%)
- Blue (66%)



- Red (100%)
- Yellow (53%)
- Blue (66%)



- Cyan (0%)
- Magenta (47%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9719, 41.4151, 42.0370 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 56.9719, 41.4151, 42.0370 by changing the saturation by 10% instead.


 56.9719, 41.4151,
42.0370


 56.9719, 41.4151,
42.0370


403.3599,
352.0525, 370.4405


 41.2227, 28.6436,
28.8045


 99.5558, 77.3136,
79.5263

 28.6816, 18.8114,
18.6887

 127.1212,
101.2094, 104.6202

 18.9832, 11.5341,
11.2710


 159.3561,
129.5821, 134.5049

 11.7620, 6.4273,
6.1330

196.6258,
162.8161, 169.5991

 6.6529, 3.1066,
2.8560

239.2957,
201.2957, 210.3212

 3.2904, 1.1876,
1.0216

287.7311,

 1.3091, 0.0516,

245.4054, 257.0897

0.0000

342.2974,
295.5295, 310.3233

■ 0.1900, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9719, 41.4151,
42.0370

■ 56.9719, 41.4151,
42.0370

■ 52.2287, 34.4921,
32.5537

■ 62.8140, 50.1438,
53.0957

■ 48.5093, 29.2411,
24.5687

■ 69.8172, 60.7875,
65.7969

■ 45.7333, 25.5193,
18.0014

■ 78.0427, 73.4538,
80.2067

■ 43.8066, 23.1571,
12.7617

■ 87.5464, 88.2406,
96.3866

■ 42.6107, 21.9387, 95.0500, 100.0000,
8.7461 108.9000

■ 42.3492, 21.7037,
7.7708

Harmonies

Analogous

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



55.0382, 41.4151, 67.4988



56.9719, 41.4151, 42.0370



53.6834, 41.4151, 24.5040

Triad

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



56.9719, 41.4151, 42.0370



31.2975, 41.4151, 17.3706



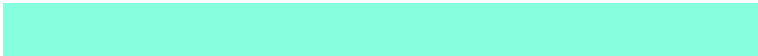
32.9497, 41.4151, 98.0503

Complementary

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



56.9719, 41.4151, 42.0370



58.9385, 81.9457, 81.8223

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.



27.8480, 41.4151, 74.8413



56.9719, 41.4151, 42.0370



26.9896, 41.4151, 28.2927

Square

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



56.9719, 41.4151, 42.0370



38.2814, 41.4151, 13.6917



25.8183, 41.4151, 48.2957



40.4664, 41.4151, 105.5837

Rectangle

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



56.9719, 41.4151, 42.0370



49.2046, 41.4151, 17.8295



25.8183, 41.4151, 48.2957



30.9312, 41.4151, 91.5080

Sweetspot

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



56.9729, 41.4171, 42.0378



80.8090, 77.7434, 84.9608



56.5344, 39.9224, 99.3338



16.8757, 15.9876, 17.4630



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.



56.9729, 41.4171, 42.0378



52.6800, 35.1420, 33.4831



58.3595, 48.5012, 29.2101



18.2146, 18.0691, 19.7470



22.1819, 11.3621, 4.3426



2.2035, 1.1238, 0.6530

Inverse Universe

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



56.9729, 41.4171, 42.0378



52.6800, 35.1420, 33.4831



56.0626, 68.4110, 104.8576



18.2146, 18.0691, 19.7470



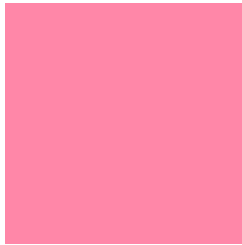
22.1819, 11.3621, 4.3426



2.2035, 1.1238, 0.6530

Previews

White Background



This preview shows how the XYZ color 56.9719, 41.4151, 42.0370 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 56.9719, 41.4151, 42.0370 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 56.9719, 41.4151, 42.0370

Background



This preview shows how black text looks on a background with the XYZ color 56.9719, 41.4151, 42.0370.



This preview shows how white text looks on a background with the XYZ color 56.9719, 41.4151,

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

56.9719, 41.4151, 42.0370

Protanopia

40.7324, 41.8371, 54.0727

Deuteranopia

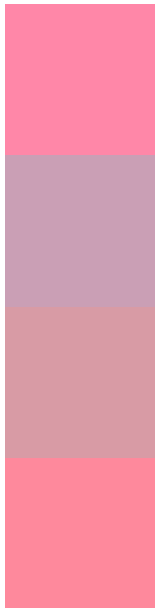
42.4219, 41.6192, 40.4478



Tritanopia

55.0213, 41.2295, 33.4919

Trichromacy



Original Color

56.9719, 41.4151, 42.0370

Protanomaly

45.0957, 40.6890, 49.1930

Deuteranomaly

46.8318, 40.7582, 40.9961

Tritanomaly

55.8195, 41.3625, 36.4942

Monochromacy



Original Color

56.9719, 41.4151, 42.0370

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

44.9190, 40.9575, 44.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9719, 41.4151, 42.0370 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, 135, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 168)  
}
```

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, 135, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 168) }
```

Border

The CSS property to change the border of an element to XYZ 56.9719, 41.4151, 42.0370 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, 135, 168) }
```


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

```
.border{ border-color:rgb(255, 135, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9719, 41.4151, 42.0370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 168) }
```

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

```
.background{ background-color: rgb(255,  
135, 168) }
```

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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