

Converting Colors

XYZ(70.3863, 56.7913,
101.8598)

Have a look what the booklet for
XYZ(70.3863, 56.7913, 101.8598)
contains.

XYZ(70.1482, 56.5468, 101.8252)	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(70.1482, 56.5468,
101.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	F3AEFF
RGB	243, 174, 255
RGB Percent	95%, 68%, 100%
CMY	0.0471, 0.3176, 0.0000
CMYK	0.05, 0.32, 0.00, 0.00
HSL	291°, 100%, 84%
HSV	291°, 32%, 100%
XYZ	70.1482, 56.5468, 101.8252
YIQ	203.8650, 15.1230, 39.8190

Conversions

Conversions Part 2

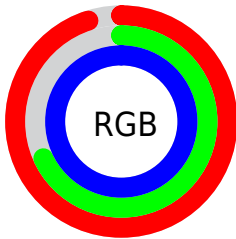
Format	Color
R _Y B	243, 174, 255
Decimal	15970047
CIE Lab	79.92, 38.39, -30.20
CIE LCh	80, 48.839, 321.811
Yxy	56.5468, 0.3070, 0.2474
Android (android.graphics.Color)	4294160127 (0xFFFF3AEFF)
YUV	203.8650, 25.2096, 34.3214
Hunter-Lab	75.1976, 34.9182, -27.6464

Details

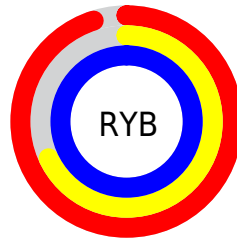
The XYZ color **70.1482, 56.5468, 101.8252** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **63.6510, 85.0157, 53.1020**, and the grayscale version is **57.1500, 60.1263, 65.4775**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **37.1592, 27.9493, 56.8623** is the 20% darker color. If you saturate the color by 10%, you get **64.3918, 46.9485, 100.2759**, and if you desaturate by 10%, it is **76.8699, 68.0338, 103.6881**.

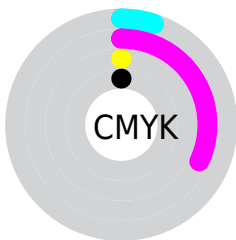
Distribution



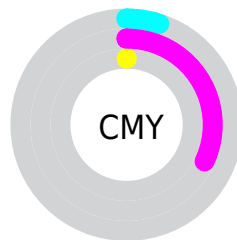
- Red (95%)
- Green (68%)
- Blue (100%)



- Red (95%)
- Yellow (68%)
- Blue (100%)



- Cyan (5%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1482, 56.5468, 101.8252 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 70.1482, 56.5468, 101.8252 by changing the saturation by 10% instead.

70.1482, 56.5468,
101.8252

70.1482, 56.5468,
101.8252

450.3285,
411.7489, 587.3253

51.9274, 40.6415,
77.2004

118.4452, 99.8036,
165.7369

37.1712, 28.0391,
56.9048

149.2521,
127.9239, 205.8608

25.5144, 18.3551,
40.5199

184.9851,
160.8846, 251.9881

16.5915, 11.2052,
27.6273

226.0095,
199.0702, 304.5374

10.0371, 6.2051,
17.8083

272.6907,
242.8651, 363.9273

5.4860, 2.9702,
10.6444

325.3940,

2.5728, 1.1162,

292.6535, 430.5762

5.7171

384.4848,
348.8200, 504.9027

■ 0.9321, 0.0000,
2.6079

■ 0.0000, 0.0000,
0.8965

■ 70.1482, 56.5468,
101.8252

■ 70.1482, 56.5468,
101.8252

■ 64.3918, 46.9485,
100.2759

■ 76.8699, 68.0338,
103.6881

■ 59.5423, 39.1256,
99.0215

■ 84.6008, 81.5003,
105.8799

■ 55.5431, 32.9636,
98.0429

■ 93.3883, 97.0396,
108.4162

■ 52.3284, 28.3317,
97.3183

95.0500, 100.0000,
108.9000

■ 49.8229, 25.0793,
96.8226

■ 47.9356, 23.0248,
96.5255

■ 46.7324, 22.0063,
96.3923

Harmonies

Analogous

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



61.1374, 56.5468, 127.3638



70.1482, 56.5468, 101.8252



74.8875, 56.5468, 69.6711

Triad

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



70.1482, 56.5468, 101.8252



56.5049, 56.5468, 21.8237



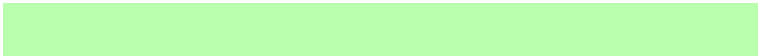
37.9319, 56.5468, 84.1405

Complementary

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



70.1482, 56.5468, 101.8252



63.6510, 85.0157, 53.1020

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.



37.0127, 56.5468, 54.1223



70.1482, 56.5468, 101.8252



46.9758, 56.5468, 23.5440

Square

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



70.1482, 56.5468, 101.8252



66.4022, 56.5468, 27.8792



40.1234, 56.5468, 33.6287



42.8098, 56.5468, 115.1613

Rectangle

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



70.1482, 56.5468, 101.8252



74.6271, 56.5468, 51.0668



40.1234, 56.5468, 33.6287



37.1759, 56.5468, 73.4224

Sweetspot

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



70.1499, 56.5492, 101.8255



86.0718, 84.0863, 106.3016



53.0982, 51.4022, 101.7308



18.1713, 17.5555, 22.6808



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.



70.1499, 56.5492, 101.8255



66.4487, 50.3463, 100.8233



70.1942, 57.0610, 79.7356



18.5127, 18.1560, 22.7787



24.5192, 11.5506, 50.3718



2.4561, 1.1601, 4.9077

Inverse Universe

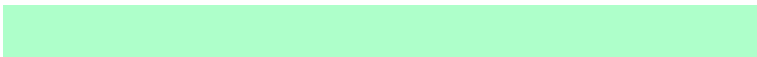
The Inverse Universe completely reimagines the original color for something new.



65.2404, 55.0795, 53.6492



60.9740, 48.7439, 45.4537



63.9193, 84.8003, 69.0960



18.1190, 18.0309, 19.2438



21.7624, 11.1942, 2.1332



2.1499, 1.1023, 0.3706

Previews

White Background



This preview shows how the XYZ color 70.1482, 56.5468, 101.8252 looks on a white background.

Color Contrast Check

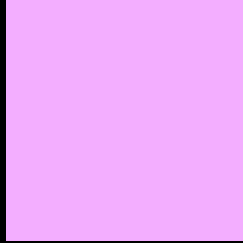
Large Text (above 18pt) WCAG AA × Fail

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 70.1482, 56.5468, 101.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

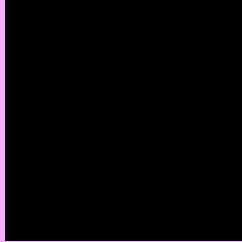
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1482, 56.5468, 101.8252

Background



This preview shows how black text looks on a background with the XYZ color 70.1482, 56.5468, 101.8252.



This preview shows how white text looks on a background with the XYZ color 70.1482, 56.5468,

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

70.1482, 56.5468, 101.8252

Protanopia

57.3077, 57.0976, 102.6082

Deuteranopia

58.1629, 56.9424, 99.1923



Tritanopia

61.9187, 56.4836, 61.6718

Trichromacy



Original Color

70.1482, 56.5468, 101.8252



Protanomaly

61.1494, 56.4526, 102.2813



Deuteranomaly

61.6355, 56.1242, 99.6800



Tritanomaly

64.5700, 56.3394, 74.4892

Monochromacy



Original Color

70.1482, 56.5468, 101.8252



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.3027, 58.3731, 77.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1482, 56.5468, 101.8252 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(243, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 174, 255)  
}
```

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(243, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.1482, 56.5468, 101.8252 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(243, 174, 255) }
```


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

```
.border{ border-color:rgb(243, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1482, 56.5468, 101.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 174, 255) }
```

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

```
.background{ background-color: rgb(243,  
174, 255) }
```

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