

Converting Colors

XYZ(86.0649, 61.8307,
181.9659)

Have a look what the booklet for
XYZ(86.0649, 61.8307, 181.9659)
contains.

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Color

**XYZ(70.7825, 55.7436,
101.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	F7AAFF
RGB	247, 170, 255
RGB Percent	97%, 67%, 100%
CMY	0.0314, 0.3333, 0.0000
CMYK	0.03, 0.33, 0.00, 0.00
HSL	294°, 100%, 83%
HSV	294°, 33%, 100%
XYZ	70.7825, 55.7436, 101.6367
YIQ	202.7130, 18.6070, 42.7590

Conversions

Conversions Part 2

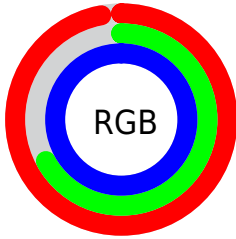
Format	Color
R _Y B	247, 170, 255
Decimal	16231167
CIE Lab	79.47, 41.71, -30.86
CIE LCh	79, 51.887, 323.503
Yxy	55.7436, 0.3102, 0.2443
Android (android.graphics.Color)	4294421247 (0xFFF7A AFF)
YUV	202.7130, 25.7775, 38.8397
Hunter-Lab	74.6616, 38.5679, -28.4482

Details

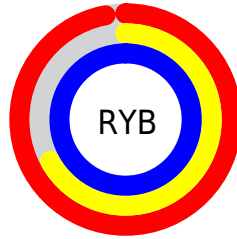
The XYZ color **70.7825, 55.7436, 101.6367** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.3771, 83.8879, 50.9900**, and the grayscale version is **56.4217, 59.3600, 64.6431**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **37.4247, 27.3868, 56.7398** is the 20% darker color. If you saturate the color by 10%, you get **65.6175, 46.6610, 100.1558**, and if you desaturate by 10%, it is **76.8887, 66.6907, 103.4279**.

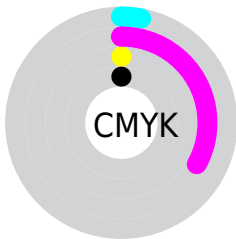
Distribution



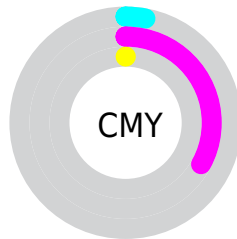
- Red (97%)
- Green (67%)
- Blue (100%)



- Red (97%)
- Yellow (67%)
- Blue (100%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7825, 55.7436, 101.6367 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 70.7825, 55.7436, 101.6367 by changing the saturation by 10% instead.


 70.7825, 55.7436,
101.6367

 70.7825, 55.7436,
101.6367


452.5164,
408.7245, 586.7189

 52.4466, 39.9974,
77.0436


 119.3442, 98.6296,
165.4760

 37.5869, 27.5365,
56.7769


150.3007,
126.5382, 205.5594

 25.8380, 17.9766,
40.4180


186.1948,
159.2696, 251.6432

 16.8345, 10.9332,
27.5483

227.3918,
197.2084, 304.1461

 10.2111, 6.0219,
17.7494

274.2571,
240.7389, 363.4865

 5.6025, 2.8584,
10.6026

327.1561,

 2.6433, 1.0583,

290.2455, 430.0831

5.6895

386.4541,
346.1126, 504.3544

■ 0.9681, 0.0000,
2.5915

■ 0.0000, 0.0000,
0.8881

■ 70.7825, 55.7436,
101.6367

■ 70.7825, 55.7436,
101.6367

■ 65.6175, 46.6610,
100.1558

■ 76.8887, 66.6907,
103.4279

■ 61.3350, 39.3281,
98.9661

■ 83.9807, 79.5941,
105.5447

■ 57.8772, 33.6285,
98.0482

■ 92.1062, 94.5481,
108.0028

■ 55.1774, 29.4289,
97.3799

95.0500, 100.0000,
108.9000

■ 53.1582, 26.5748,
96.9354

■ 51.7257, 24.8782,
96.6835

■ 51.0063, 24.2096,
96.5923

Harmonies

Analogous

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



61.3839, 55.7436, 130.0155



70.7825, 55.7436, 101.6367



75.4950, 55.7436, 67.4249

Triad

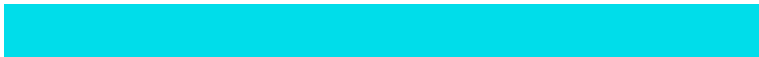
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7825, 55.7436, 101.6367



55.2830, 55.7436, 19.6622



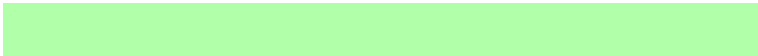
36.6465, 55.7436, 86.5838

Complementary

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



70.7825, 55.7436, 101.6367



61.3771, 83.8879, 50.9900

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.



35.4598, 55.7436, 54.4291



70.7825, 55.7436, 101.6367



45.3852, 55.7436, 21.8080

Square

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



70.7825, 55.7436, 101.6367



65.8198, 55.7436, 25.2582



38.4490, 55.7436, 32.5562



41.9335, 55.7436, 119.5182

Rectangle

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



70.7825, 55.7436, 101.6367



74.9578, 55.7436, 48.2554



38.4490, 55.7436, 32.5562



35.7862, 55.7436, 75.1081

Sweetspot

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



70.7842, 55.7460, 101.6371



86.5705, 84.3434, 106.3249



50.6498, 47.8087, 101.1662



18.2928, 17.6181, 22.6864



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.



70.7842, 55.7460, 101.6371



67.2377, 49.4873, 100.6159



68.6672, 55.2320, 75.4498



18.6142, 18.2084, 22.7834



26.7211, 12.6857, 50.4748



2.6488, 1.2594, 4.9168

Inverse Universe

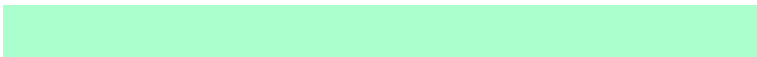
The Inverse Universe completely reimagines the original color for something new.



63.6520, 53.2260, 49.0402



59.2062, 46.6724, 40.3502



63.2382, 84.4264, 70.0917



18.0788, 18.0148, 19.0320



21.6579, 11.1525, 1.5833



2.1310, 1.0948, 0.2713

Previews

White Background



This preview shows how the XYZ color 70.7825, 55.7436, 101.6367 looks on a white background.

Color Contrast Check

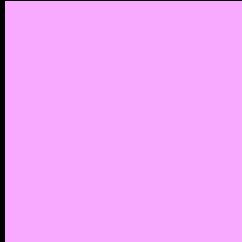
Large Text (above 18pt) WCAG AA × Fail

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 70.7825, 55.7436, 101.6367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

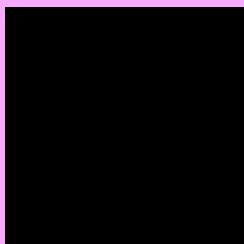
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7825, 55.7436, 101.6367

Background



This preview shows how black text looks on a background with the XYZ color 70.7825, 55.7436, 101.6367.



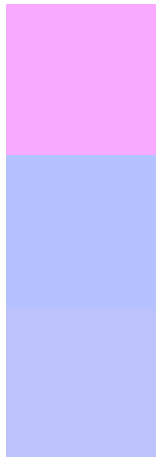
This preview shows how white text looks on a background with the XYZ color 70.7825, 55.7436,

101.6367.

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

70.7825, 55.7436, 101.6367

Protanopia

56.3875, 55.9535, 102.4359

Deuteranopia

57.4434, 56.2400, 99.0946



Tritanopia

62.2884, 55.7921, 59.7106

Trichromacy



Original Color

70.7825, 55.7436, 101.6367



Protanomaly

60.5107, 55.1752, 102.0684



Deuteranomaly

61.2141, 55.2815, 99.5395



Tritanomaly

65.0627, 55.7278, 72.9730

Monochromacy



Original Color

70.7825, 55.7436, 101.6367



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

61.0290, 57.5956, 77.0077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7825, 55.7436, 101.6367 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(247, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 170, 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(247, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7825, 55.7436, 101.6367 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(247, 170, 255) }
```


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

```
.border{ border-color:rgb(247, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7825, 55.7436, 101.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 170, 255) }
```

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

```
.background{ background-color: rgb(247,  
170, 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](#).

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