

Converting Colors

XYZ(84.0161, 60.7288,
174.7409)

Have a look what the booklet for
XYZ(84.0161, 60.7288, 174.7409)
contains.

XYZ(70.2440, 55.1888, 101.5580)	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(70.2440, 55.1888,
101.5580)**

Conversions

Conversions Part 1

Format	Color
Hex	F6A9FF
RGB	246, 169, 255
RGB Percent	96%, 66%, 100%
CMY	0.0353, 0.3372, 0.0000
CMYK	0.04, 0.34, 0.00, 0.00
HSL	294°, 100%, 83%
HSV	294°, 34%, 100%
XYZ	70.2440, 55.1888, 101.5580
YIQ	201.8270, 18.2860, 43.0700

Conversions

Conversions Part 2

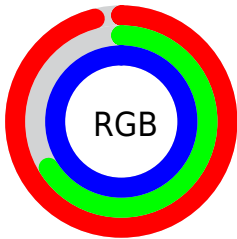
Format	Color
R _Y B	246, 169, 255
Decimal	16165375
CIE Lab	79.15, 41.93, -31.36
CIE LCh	79, 52.358, 323.207
Yxy	55.1888, 0.3095, 0.2431
Android (android.graphics.Color)	4294355455 (0xFFFF6A9FF)
YUV	201.8270, 26.2143, 38.7397
Hunter-Lab	74.2892, 38.7743, -29.0508

Details

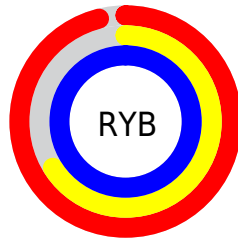
The XYZ color **70.2440, 55.1888, 101.5580** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **61.2829, 83.8502, 50.4936**, and the grayscale version is **55.8666, 58.7761, 64.0071**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **37.0628, 27.0301, 56.6900** is the 20% darker color. If you saturate the color by 10%, you get **65.0259, 46.1311, 100.0847**, and if you desaturate by 10%, it is **76.4039, 66.1081, 103.3410**.

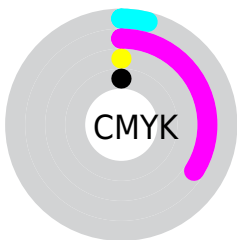
Distribution



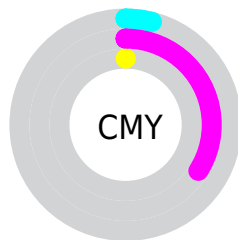
- Red (96%)
- Green (66%)
- Blue (100%)



- Red (96%)
- Yellow (66%)
- Blue (100%)



- Cyan (4%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2440, 55.1888, 101.5580 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 70.2440, 55.1888, 101.5580 by changing the saturation by 10% instead.


 70.2440, 55.1888,
101.5580

 70.2440, 55.1888,
101.5580


450.6593,
406.6272, 586.4656

 52.0058, 39.5529,
76.9782


 118.5810, 97.8175,
165.3671

 37.2340, 27.1901,
56.7235

149.4106,
125.5791, 205.4335

 25.5632, 17.7161,
40.3754


185.1679,
158.1514, 251.4992

 16.6281, 10.7463,
27.5154

226.2184,
195.9188, 303.9826

 10.0634, 5.8965,
17.7248

272.9275,
239.2657, 363.3025

 5.5036, 2.7823,
10.5852

325.6604,

 2.5834, 1.0191,

288.5765, 429.8772

5.6780

384.7826,
344.2355, 504.1254

■ 0.9375, 0.0000,
2.5847

■ 0.0000, 0.0000,
0.8845

■ 70.2440, 55.1888,
101.5580

■ 70.2440, 55.1888,
101.5580

■ 65.0259, 46.1311,
100.0847

■ 76.4039, 66.1081,
103.3410

■ 60.6905, 38.8201,
98.9020

■ 83.5503, 78.9814,
105.4491

■ 57.1800, 33.1388,
97.9905

■ 91.7310, 93.9032,
107.8981

■ 54.4271, 28.9531,
97.3276

■ 95.0500, 100.0000,
108.9000

■ 52.3541, 26.1076,
96.8876

■ 50.8660, 24.4124,
96.6389

■ 50.1457, 23.7659,
96.5521

Harmonies

Analogous

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



60.7766, 55.1888, 130.0001



70.2440, 55.1888, 101.5580



75.0398, 55.1888, 67.1572

Triad

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



70.2440, 55.1888, 101.5580



54.8678, 55.1888, 19.1528



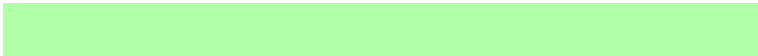
36.0727, 55.1888, 85.7339

Complementary

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



70.2440, 55.1888, 101.5580



61.2829, 83.8502, 50.4936

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.



34.9285, 55.1888, 53.5391



70.2440, 55.1888, 101.5580



44.9305, 55.1888, 21.2057

Square

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



70.2440, 55.1888, 101.5580



65.4312, 55.1888, 24.7892



37.9560, 55.1888, 31.7987



41.3195, 55.1888, 118.9449

Rectangle

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



70.2440, 55.1888, 101.5580



74.5454, 55.1888, 47.8816



37.9560, 55.1888, 31.7987



35.2270, 55.1888, 74.2178

Sweetspot

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



70.2456, 55.1911, 101.5583



86.4730, 84.2932, 106.3203



50.5411, 47.9111, 101.1917



18.2690, 17.6059, 22.6853



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.



70.2456, 55.1911, 101.5583



66.8630, 49.2941, 100.5984



68.6186, 54.9138, 76.1150



18.5944, 18.1981, 22.7825



26.2780, 12.4573, 50.4541



2.6102, 1.2395, 4.9150

Inverse Universe

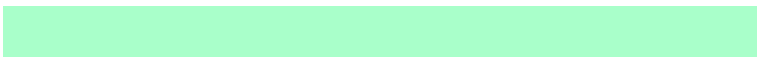
The Inverse Universe completely reimagines the original color for something new.



63.4653, 52.8525, 48.9780



59.3026, 46.7110, 40.8579



62.7805, 84.2185, 68.8055



18.0866, 18.0180, 19.0732



21.6752, 11.1594, 1.6739



2.1347, 1.0962, 0.2906

Previews

White Background



This preview shows how the XYZ color 70.2440, 55.1888, 101.5580 looks on a white background.

Color Contrast Check

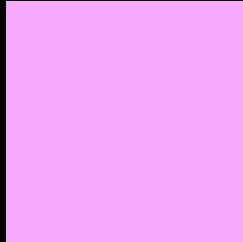
Large Text (above 18pt) WCAG AA × Fail

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 70.2440, 55.1888, 101.5580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

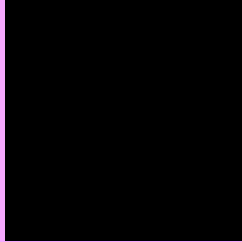
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2440, 55.1888, 101.5580

Background



This preview shows how black text looks on a background with the XYZ color 70.2440, 55.1888, 101.5580.



This preview shows how white text looks on a background with the XYZ color 70.2440, 55.1888,

101.5580.

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

70.2440, 55.1888, 101.5580

Protanopia

55.9322, 55.3873, 102.3506

Deuteranopia

56.9761, 55.6698, 99.0092



Tritanopia

61.6341, 55.1650, 59.0292

Trichromacy



Original Color

70.2440, 55.1888, 101.5580



Protanomaly

60.0276, 54.6144, 101.9856



Deuteranomaly

60.7236, 54.7192, 99.4568

Tritanomaly

64.5222, 55.1548, 72.8909

Monochromacy



Original Color

70.2440, 55.1888, 101.5580



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

60.3780, 56.9528, 76.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2440, 55.1888, 101.5580 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(246, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 169, 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(246, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2440, 55.1888, 101.5580 is called "border". The border property can be set on classes, ids or directly on the HTML element.

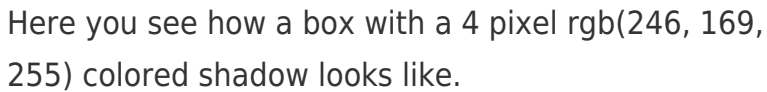
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(246, 169, 255) }
```


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

```
.border{ border-color:rgb(246, 169, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(246, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 169, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 169, 255); box-shadow:4px 4px 4px 4px rgb(246, 169, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2440, 55.1888, 101.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 169, 255) }
```

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

```
.background{ background-color: rgb(246,  
169, 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