

Converting Colors

$Yxy(69.0501, 0.2296, 0.1515)$

Have a look what the booklet for
Yxy(69.0501, 0.2296, 0.1515)
contains.

Yxy(55.1888, 0.3095, 0.2431)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.1888, 0.3095, 0.2431)

Conversions

Conversions Part 1

Format	Color
Hex	F6A9FF
RGB	246, 169, 255
RGB Percent	96%, 66%, 100%
CMY	0.0350, 0.3374, 0.0000
CMYK	0.04, 0.34, 0.00, 0.00
HSL	294°, 100%, 83%
HSV	294°, 34%, 100%
XYZ	70.2630, 55.1888, 101.5692
YIQ	201.8270, 18.2860, 43.0700

Conversions

Conversions Part 2

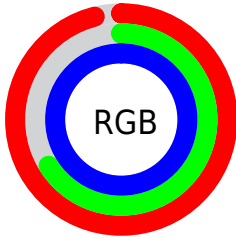
Format	Color
R _Y B	246, 169, 255
Decimal	16165375
CIE Lab	79.15, 41.97, -31.37
CIE LCh	79, 52.395, 323.227
Yxy	55.1888, 0.3095, 0.2431
Android (android.graphics.Color)	4294355455 (0xFFFF6A9FF)
YUV	201.8270, 26.2143, 38.7397
Hunter-Lab	74.2892, 38.8200, -29.0597

Details

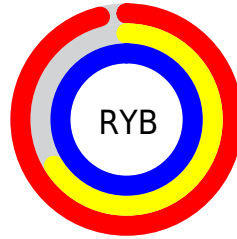
The Yxy color **55.1888, 0.3095, 0.2431** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.8371, 0.3132, 0.4287**, and the grayscale version is **58.7757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **27.0301, 0.3069, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **46.1361, 0.3079, 0.2184**, and if you desaturate by 10%, it is **66.1010, 0.3108, 0.2689**.

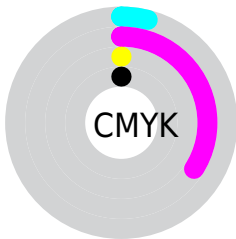
Distribution



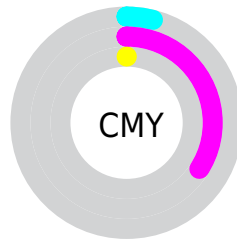
- Red (96%)
- Green (66%)
- Blue (100%)



- 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 Yxy color 55.1888, 0.3095, 0.2431 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 Yxy color 55.1888, 0.3095, 0.2431 by changing the saturation by 10% instead.


 55.1888, 0.3095,
0.2431


 55.1888, 0.3095,
0.2431


406.6272, 0.3122,
0.2816

 39.5529, 0.3086,
0.2346

 97.8175, 0.3106,
0.2562

 27.1901, 0.3074,
0.2244


 125.5791, 0.3110,
0.2614

 17.7161, 0.3056,
0.2117


158.1514, 0.3113,
0.2659

 10.7463, 0.3030,
0.1957

195.9188, 0.3116,
0.2698

 5.8965, 0.2988,
0.1750

239.2657, 0.3118,
0.2733

 2.7823, 0.2917,
0.1474

288.5765, 0.3119,

 1.0191, 0.2785,

0.2764

0.1098

344.2355, 0.3121,
0.2791

0.0000, 0.2663,
0.0000

0.0000, 0.0000,
0.0000

55.1888, 0.3095,
0.2431

55.1888, 0.3095,
0.2431

46.1361, 0.3079,
0.2184

66.1010, 0.3108,
0.2689

38.8307, 0.3060,
0.1957

78.9679, 0.3118,
0.2947

33.1549, 0.3038,
0.1760

93.8830, 0.3125,
0.3199

28.9743, 0.3013,
0.1603

100.0000, 0.3127,
0.3290

■ 26.1335, 0.2987,
0.1490

■ 24.4427, 0.2961,
0.1421

■ 23.7997, 0.2944,
0.1395

Harmonies

Analogous

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



55.1888, 0.2471, 0.2243



55.1888, 0.3095, 0.2431



55.1888, 0.3803, 0.2796

Triad

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



55.1888, 0.3095, 0.2431



55.1888, 0.4247, 0.4272



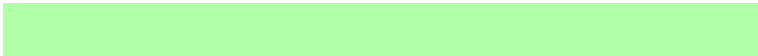
55.1888, 0.2037, 0.3117

Complementary

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



55.1888, 0.3095, 0.2431



83.8371, 0.3132, 0.4287

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.



55.1888, 0.2431, 0.3842



55.1888, 0.3095, 0.2431



55.1888, 0.3703, 0.4550

Square

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



55.1888, 0.3095, 0.2431



55.1888, 0.4501, 0.3796



55.1888, 0.3037, 0.4418



55.1888, 0.1917, 0.2561

Rectangle

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



55.1888, 0.3095, 0.2431



55.1888, 0.4198, 0.3107



55.1888, 0.3037, 0.4418



55.1888, 0.2139, 0.3352

Sweetspot

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



55.1902, 0.3095, 0.2431



84.2970, 0.3121, 0.3042



47.8951, 0.2531, 0.2399



17.6068, 0.3120, 0.3006



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.1902, 0.3095, 0.2431



49.3089, 0.3085, 0.2274



54.9003, 0.3437, 0.2750



18.1989, 0.3121, 0.3055



12.4747, 0.2948, 0.1398



1.2410, 0.2980, 0.1415

Inverse Universe

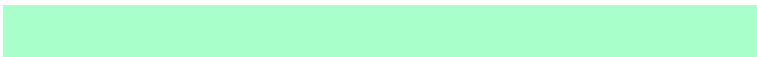
The Inverse Universe completely reimagines the original color for something new.



52.8356, 0.3841, 0.3198



46.7080, 0.4039, 0.3181



84.2137, 0.2909, 0.3903



18.0177, 0.3278, 0.3266



11.1588, 0.6282, 0.3235



1.0961, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 55.1888, 0.3095, 0.2431 looks on a white background.

Color Contrast Check

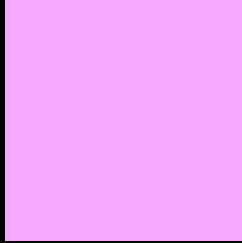
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 55.1888, 0.3095, 0.2431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

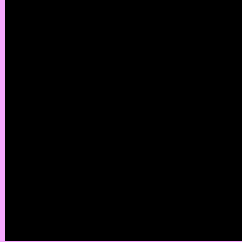
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1888, 0.3095, 0.2431

Background



This preview shows how black text looks on a background with the Yxy color 55.1888, 0.3095, 0.2431.



This preview shows how white text looks on a background with the Yxy color 55.1888, 0.3095, 0.2431.

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

55.1888, 0.3095, 0.2431

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.6698, 0.2692, 0.2630



Tritanopia

55.1650, 0.3505, 0.3137

Trichromacy



Original Color

55.1888, 0.3095, 0.2431



Protanomaly

54.6144, 0.2771, 0.2521



Deuteranomaly

54.7192, 0.2826, 0.2546

Tritanomaly

55.1548, 0.3351, 0.2864

Monochromacy



Original Color

55.1888, 0.3095, 0.2431



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.9528, 0.3120, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1888, 0.3095, 0.2431 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 Yxy 55.1888, 0.3095, 0.2431 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 Yxy 55.1888, 0.3095, 0.2431 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