

Converting Colors

$Y_{xy}(55.1737, 0.3127, 0.2420)$

Have a look what the booklet for
Yxy(55.1737, 0.3127, 0.2420)
contains.

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Color

Yxy(55.1814, 0.3127, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	FAA7FF
RGB	250, 167, 255
RGB Percent	98%, 65%, 100%
CMY	0.0195, 0.3451, 0.0000
CMYK	0.02, 0.35, 0.00, 0.00
HSL	297°, 100%, 83%
HSV	297°, 35%, 100%
XYZ	71.3026, 55.1814, 101.5383
YIQ	201.8490, 21.2200, 44.9640

Conversions

Conversions Part 2

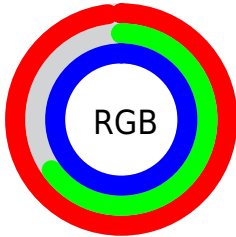
Format	Color
R _Y B	250, 167, 255
Decimal	16427007
CIE Lab	79.15, 44.21, -31.35
CIE LCh	79, 54.197, 324.654
Yxy	55.1814, 0.3127, 0.2420
Android (android.graphics.Color)	4294617087 (0xFFFAA7FF)
YUV	201.8490, 26.2034, 42.2284
Hunter-Lab	74.2842, 41.3381, -29.0440

Details

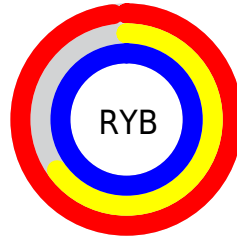
The Yxy color **55.1814, 0.3127, 0.2420** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.0774, 0.3107, 0.4321**, and the grayscale version is **58.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **27.0939, 0.3112, 0.2228** is the 20% darker color. If you saturate the color by 10%, you get **46.4759, 0.3123, 0.2181**, and if you desaturate by 10%, it is **65.7298, 0.3129, 0.2673**.

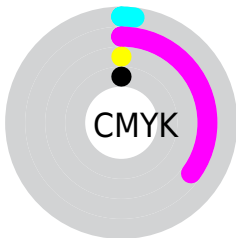
Distribution



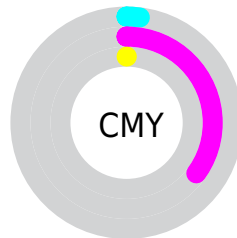
- Red (98%)
- Green (65%)
- Blue (100%)



- Red (98%)
- Yellow (65%)
- Blue (100%)



- Cyan (2%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1814, 0.3127, 0.2420 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 55.1814, 0.3127, 0.2420 by changing the saturation by 10% instead.


 55.1814, 0.3127,
0.2420


 55.1814, 0.3127,
0.2420


406.5992, 0.3139,
0.2809

 39.5470, 0.3122,
0.2335

 97.8067, 0.3133,
0.2552

 27.1855, 0.3113,
0.2232


 125.5663, 0.3135,
0.2604

 17.7126, 0.3101,
0.2104


158.1365, 0.3137,
0.2650

 10.7438, 0.3081,
0.1943

195.9016, 0.3137,
0.2690

 5.8949, 0.3048,
0.1735

239.2460, 0.3138,
0.2725

 2.7813, 0.2990,
0.1459

288.5542, 0.3139,

 1.0186, 0.2876,

0.2756

0.1084

344.2104, 0.3139,
0.2784

■ 0.0000, 0.2787,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1814, 0.3127,
0.2420

■ 55.1814, 0.3127,
0.2420

■ 46.4759, 0.3123,
0.2181

■ 65.7298, 0.3129,
0.2673

■ 39.5060, 0.3117,
0.1964

■ 78.2225, 0.3129,
0.2928

■ 34.1510, 0.3109,
0.1780

■ 92.7517, 0.3128,
0.3180

■ 30.2755, 0.3098,
0.1636

100.0000, 0.3127,
0.3290

■ 27.7218, 0.3086,
0.1536

■ 26.2965, 0.3073,
0.1480

■ 25.8433, 0.3065,
0.1462

Harmonies

Analogous

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



55.1814, 0.2476, 0.2217



55.1814, 0.3127, 0.2420



55.1814, 0.3858, 0.2801

Triad

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



55.1814, 0.3127, 0.2420



55.1814, 0.4259, 0.4320



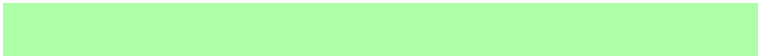
55.1814, 0.1991, 0.3076

Complementary

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



55.1814, 0.3127, 0.2420



83.0774, 0.3107, 0.4321

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.



55.1814, 0.2382, 0.3826



55.1814, 0.3127, 0.2420



55.1814, 0.3687, 0.4598

Square

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



55.1814, 0.3127, 0.2420



55.1814, 0.4542, 0.3831



55.1814, 0.2999, 0.4442



55.1814, 0.1883, 0.2515

Rectangle

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



55.1814, 0.3127, 0.2420



55.1814, 0.4259, 0.3123



55.1814, 0.2999, 0.4442



55.1814, 0.2091, 0.3316

Sweetspot

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



55.1809, 0.3127, 0.2420



84.5229, 0.3129, 0.3043



45.2671, 0.2509, 0.2322



17.6618, 0.3129, 0.3007



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.



55.1809, 0.3127, 0.2420



49.3309, 0.3125, 0.2263



53.8965, 0.3485, 0.2780



18.2449, 0.3129, 0.3055



13.5263, 0.3067, 0.1463



1.3323, 0.3085, 0.1473

Inverse Universe

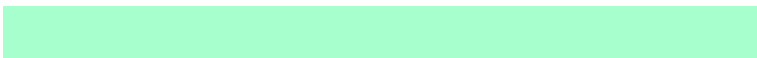
The Inverse Universe completely reimagines the original color for something new.



51.8715, 0.3904, 0.3240



45.6295, 0.4124, 0.3231



84.1484, 0.2882, 0.3866



18.0037, 0.3286, 0.3277



11.1326, 0.6344, 0.3268



1.0895, 0.6211, 0.3195

Previews

White Background



This preview shows how the Yxy color 55.1814, 0.3127, 0.2420 looks on a white background.

Color Contrast Check

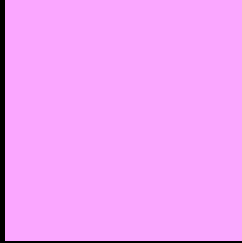
Large Text (above 18pt) WCAG AA × Fail

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 55.1814, 0.3127, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

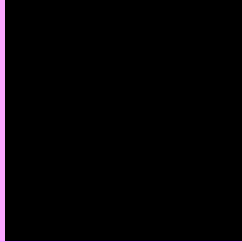
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.1814, 0.3127, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 55.1814, 0.3127, 0.2420.

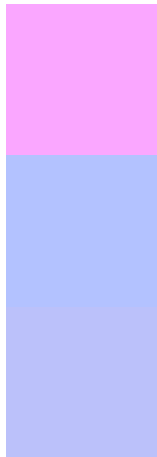


This preview shows how white text looks on a background with the Yxy color 55.1814, 0.3127, 0.2420.

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

55.1814, 0.3127, 0.2420

Protanopia

55.3873, 0.2618, 0.2592

Deuteranopia

55.6069, 0.2698, 0.2640



Tritanopia

54.9677, 0.3561, 0.3139

Trichromacy



Original Color

55.1814, 0.3127, 0.2420



Protanomaly

54.4801, 0.2785, 0.2513



Deuteranomaly

55.0109, 0.2840, 0.2549



Tritanomaly

55.0303, 0.3395, 0.2858

Monochromacy



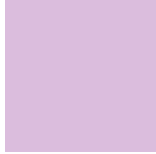
Original Color

55.1814, 0.3127, 0.2420



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

56.6757, 0.3128, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1814, 0.3127, 0.2420 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(250, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 167, 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(250, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.1814, 0.3127, 0.2420 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(250, 167, 255) }
```

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

```
.border{ border-color:rgb(250, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1814, 0.3127, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 167, 255) }
```

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

```
.background{ background-color: rgb(250,  
167, 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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