

Converting Colors

Yxy(55.8972, 0.3154, 0.2460)

Have a look what the booklet for
Yxy(55.8972, 0.3154, 0.2460)
contains.

Yxy(55.9770, 0.3150, 0.2459)	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(55.9770, 0.3150, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	FBA9FD
RGB	251, 169, 253
RGB Percent	98%, 66%, 99%
CMY	0.0156, 0.3373, 0.0078
CMYK	0.01, 0.33, 0.00, 0.01
HSL	299°, 95%, 83%
HSV	299°, 33%, 99%
XYZ	71.7070, 55.9770, 99.9573
YIQ	203.0940, 21.9080, 43.5080

Conversions

Conversions Part 2

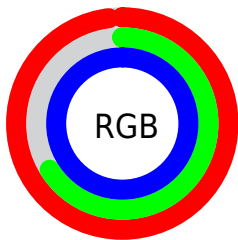
Format	Color
R _Y B	251, 169, 253
Decimal	16493053
CIE _{Lab}	79.60, 43.10, -29.55
CIE _{LCh}	80, 52.259, 325.567
Yxy	55.9770, 0.3150, 0.2459
Android (android.graphics.Color)	4294683133 (0xFFFBA9FD)
YUV	203.0940, 24.6037, 42.0136
Hunter-Lab	74.8178, 40.1472, -26.8396

Details

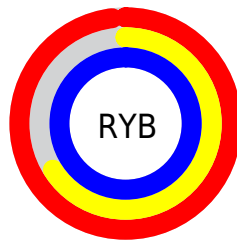
The Yxy color **55.9770, 0.3150, 0.2459** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7738, 0.3092, 0.4280**, and the grayscale version is **59.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **27.5844, 0.3142, 0.2276** is the 20% darker color. If you saturate the color by 10%, you get **47.3487, 0.3155, 0.2222**, and if you desaturate by 10%, it is **66.4318, 0.3144, 0.2709**.

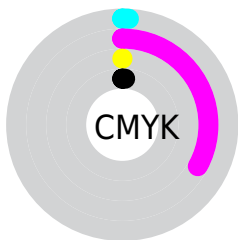
Distribution



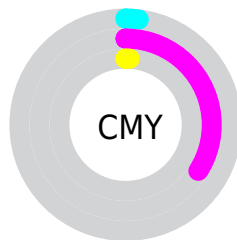
- Red (98%)
- Green (66%)
- Blue (99%)



- Red (98%)
- Yellow (66%)
- Blue (99%)



- Cyan (1%)
- Magenta (33%)
- Yellow (0%)
- Black (1%)




- Cyan (2%)
- Magenta (34%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.9770, 0.3150, 0.2459 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 55.9770, 0.3150, 0.2459 by changing the saturation by 10% instead.


 55.9770, 0.3150,
0.2459

 55.9770, 0.3150,
0.2459

409.6048, 0.3150,
0.2831

 40.1845, 0.3147,
0.2377


 98.9709, 0.3152,
0.2586

 27.6824, 0.3143,
0.2278


126.9412, 0.3152,
0.2636

 18.0864, 0.3136,
0.2155


159.7394, 0.3152,
0.2679

 11.0120, 0.3123,
0.2000

197.7501, 0.3152,
0.2717

 6.0749, 0.3099,
0.1799

241.3576, 0.3152,
0.2751

 2.8907, 0.3055,
0.1530

290.9462, 0.3151,

 1.0749, 0.2964,

0.2781

0.1160

346.9005, 0.3151,
0.2807

0.0000, 0.2945,
0.0000

0.0000, 0.0000,
0.0000

55.9770, 0.3150,
0.2459

55.9770, 0.3150,
0.2459

47.3487, 0.3155,
0.2222

66.4318, 0.3144,
0.2709

40.4340, 0.3158,
0.2007

78.8027, 0.3137,
0.2963

35.1191, 0.3160,
0.1825

93.1822, 0.3130,
0.3212

31.2735, 0.3159,
0.1683

99.5721, 0.3129,
0.3309

■ 28.7459, 0.3157,
0.1584

99.6846, 0.3132,
0.3309

■ 27.3526, 0.3153,
0.1528

99.7976, 0.3136,
0.3309

■ 26.8719, 0.3149,
0.1509

99.8722, 0.3139,
0.3309

Harmonies

Analogous

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



55.9770, 0.2517, 0.2257



55.9770, 0.3150, 0.2459



55.9770, 0.3849, 0.2833

Triad

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



55.9770, 0.3150, 0.2459



55.9770, 0.4206, 0.4297



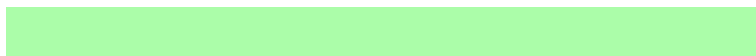
55.9770, 0.2025, 0.3068

Complementary

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



55.9770, 0.3150, 0.2459



81.7738, 0.3092, 0.4280

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.



55.9770, 0.2396, 0.3782



55.9770, 0.3150, 0.2459



55.9770, 0.3651, 0.4547

Square

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



55.9770, 0.3150, 0.2459



55.9770, 0.4485, 0.3834



55.9770, 0.2987, 0.4378



55.9770, 0.1927, 0.2534

Rectangle

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



55.9770, 0.3150, 0.2459



55.9770, 0.4228, 0.3148



55.9770, 0.2987, 0.4378



55.9770, 0.2119, 0.3296

Sweetspot

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



55.9795, 0.3150, 0.2459



84.6817, 0.3135, 0.3043



44.9539, 0.2531, 0.2332



17.7006, 0.3136, 0.3008



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.



55.9795, 0.3150, 0.2459



50.8085, 0.3153, 0.2295



54.1026, 0.3492, 0.2828



18.2772, 0.3134, 0.3056



14.3038, 0.3150, 0.1509



1.3994, 0.3157, 0.1513

Inverse Universe

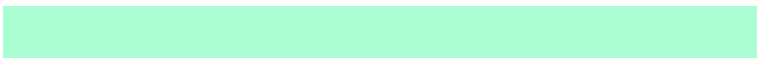
The Inverse Universe completely reimagines the original color for something new.



52.1972, 0.3888, 0.3271



46.4228, 0.4124, 0.3268



83.2522, 0.2876, 0.3807



17.9940, 0.3291, 0.3285



11.1187, 0.6377, 0.3287



1.0849, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 55.9770, 0.3150, 0.2459 looks on a white background.

Color Contrast Check

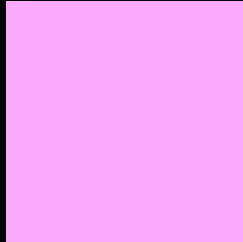
Large Text (above 18pt) WCAG AA × Fail

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 55.9770, 0.3150, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

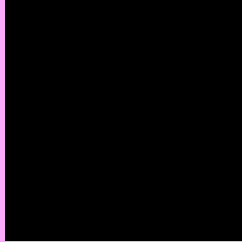
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9770, 0.3150, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 55.9770, 0.3150, 0.2459.

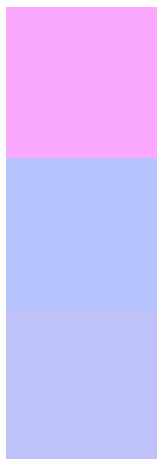


This preview shows how white text looks on a background with the Yxy color 55.9770, 0.3150, 0.2459.

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

55.9770, 0.3150, 0.2459

Protanopia

56.5236, 0.2633, 0.2618

Deuteranopia

56.4372, 0.2738, 0.2677



Tritanopia

56.0426, 0.3548, 0.3140

Trichromacy



Original Color

55.9770, 0.3150, 0.2459



Protanomaly

55.3954, 0.2799, 0.2546



Deuteranomaly

55.7462, 0.2876, 0.2584



Tritanomaly

55.9950, 0.3401, 0.2880

Monochromacy



Original Color

55.9770, 0.3150, 0.2459



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

57.6977, 0.3135, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9770, 0.3150, 0.2459 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(251, 169, 253)` looks like.

```
.text, #text, p{  
    color:rgb(251, 169, 253)  
}
```

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(251, 169, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 169, 253) }
```

Border

The CSS property to change the border of an element to Yxy 55.9770, 0.3150, 0.2459 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(251, 169, 253) }
```

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

```
.border{ border-color:rgb(251, 169, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 169, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 169, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 169, 253); box-shadow:4px 4px 4px 4px rgb(251, 169, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9770, 0.3150, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 169, 253) }
```

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

```
.background{ background-color: rgb(251,  
169, 253) }
```

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