

Converting Colors

$Y_{xy}(84.2189, 0.3508, 0.2379)$

Have a look what the booklet for
Yxy(84.2189, 0.3508, 0.2379)
contains.

Yxy(59.9243, 0.3163, 0.2527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.9243, 0.3163, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	FFB1FF
RGB	255, 177, 255
RGB Percent	100%, 69%, 100%
CMY	0.0000, 0.3058, 0.0001
CMYK	0.00, 0.31, 0.00, 0.00
HSL	300°, 100%, 85%
HSV	300°, 31%, 100%
XYZ	75.0062, 59.9243, 102.2057
YIQ	209.2140, 21.4500, 40.7940

Conversions

Conversions Part 2

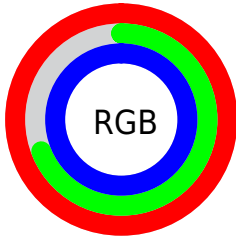
Format	Color
R _Y B	255, 177, 255
Decimal	16757247
CIE _{Lab}	81.80, 40.51, -27.21
CIE _{LCh}	82, 48.801, 326.113
Yxy	59.9243, 0.3163, 0.2527
Android (android.graphics.Color)	4294947327 (0xFFFFB1FF)
YUV	209.2140, 22.5725, 40.1543
Hunter-Lab	77.4108, 37.4863, -24.0932

Details

The Yxy color **59.9243, 0.3163, 0.2527** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **84.0366, 0.3085, 0.4193**, and the grayscale version is **63.7484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3256, 0.3137, 0.3088**, and **30.1135, 0.3160, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **50.7763, 0.3174, 0.2288**, and if you desaturate by 10%, it is **70.9594, 0.3151, 0.2777**.

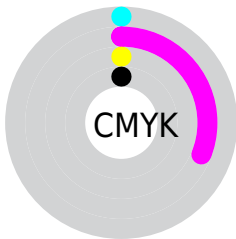
Distribution



- Red (100%)
- Green (69%)
- Blue (100%)



- Red (100%)
- Yellow (69%)
- Blue (100%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9243, 0.3163, 0.2527 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 59.9243, 0.3163, 0.2527 by changing the saturation by 10% instead.


 59.9243, 0.3163,
0.2527

 59.9243, 0.3163,
0.2527

424.3187, 0.3155,
0.2867

 43.3576, 0.3163,
0.2453


 104.7198, 0.3162,
0.2642

 30.1658, 0.3161,
0.2362

133.7175, 0.3161,
0.2688

 19.9645, 0.3158,
0.2251


167.6276, 0.3160,
0.2728

 12.3692, 0.3151,
0.2110

206.8346, 0.3159,
0.2763

 6.9957, 0.3137,
0.1926

251.7228, 0.3158,
0.2793

 3.4594, 0.3109,
0.1680


302.6766, 0.3157,


 1.3760, 0.3047,


0.2821


0.1338

360.0804, 0.3156,
0.2845


 0.1989, 0.3013,
0.0489


 0.0000, 0.1211,
0.0000


 59.9243, 0.3163,
0.2527


 59.9243, 0.3163,
0.2527

 50.7763, 0.3174,
0.2288


 70.9594, 0.3151,
0.2777

 43.4026, 0.3184,
0.2071

 83.9707, 0.3139,
0.3029

 37.6905, 0.3193,
0.1884

99.0511, 0.3128,
0.3276

 33.5111, 0.3200,
0.1735

99.9971, 0.3127,
0.3290

■ 30.7166, 0.3205,
0.1630

99.9973, 0.3127,
0.3290

■ 29.1302, 0.3208,
0.1568

99.9974, 0.3127,
0.3290

■ 28.4759, 0.3209,
0.1542

99.9975, 0.3127,
0.3290

99.9976, 0.3127,
0.3290

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



59.9243, 0.2577, 0.2336



59.9243, 0.3163, 0.2527



59.9243, 0.3798, 0.2879

Triad

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



59.9243, 0.3163, 0.2527



59.9243, 0.4115, 0.4229



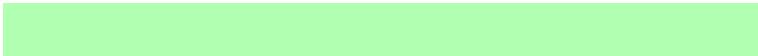
59.9243, 0.2108, 0.3083

Complementary

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



59.9243, 0.3163, 0.2527



84.0366, 0.3085, 0.4193

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.



59.9243, 0.2451, 0.3726



59.9243, 0.3163, 0.2527



59.9243, 0.3605, 0.4437

Square

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



59.9243, 0.3163, 0.2527



59.9243, 0.4370, 0.3811



59.9243, 0.2994, 0.4266



59.9243, 0.2018, 0.2594

Rectangle

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



59.9243, 0.3163, 0.2527



59.9243, 0.4139, 0.3173



59.9243, 0.2994, 0.4266



59.9243, 0.2195, 0.3289

Sweetspot

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



59.9269, 0.3163, 0.2527



86.2213, 0.3138, 0.3069



48.0184, 0.2582, 0.2388



18.0124, 0.3139, 0.3032



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.



59.9269, 0.3163, 0.2527



53.8471, 0.3170, 0.2372



57.6660, 0.3477, 0.2891



18.3004, 0.3138, 0.3056



14.8808, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

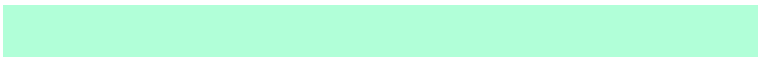
The Inverse Universe completely reimagines the original color for something new.



59.9269, 0.3163, 0.2527



53.8471, 0.3170, 0.2372



85.8194, 0.2880, 0.3729



18.3004, 0.3138, 0.3056



14.8808, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 59.9243, 0.3163, 0.2527 looks on a white background.

Color Contrast Check

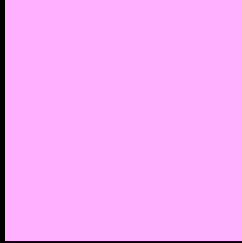
Large Text (above 18pt) WCAG AA × Fail

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 59.9243, 0.3163, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

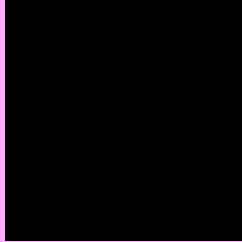
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9243, 0.3163, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 59.9243, 0.3163, 0.2527.



This preview shows how white text looks on a background with the Yxy color 59.9243, 0.3163, 0.2527.

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

59.9243, 0.3163, 0.2527

Protanopia

60.4082, 0.2698, 0.2698

Deuteranopia

60.0912, 0.2785, 0.2715



Tritanopia

59.7614, 0.3519, 0.3133

Trichromacy



Original Color

59.9243, 0.3163, 0.2527



Protanomaly

59.6561, 0.2854, 0.2626



Deuteranomaly

59.5055, 0.2916, 0.2641



Tritanomaly

59.5967, 0.3393, 0.2899

Monochromacy



Original Color

59.9243, 0.3163, 0.2527



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

61.5922, 0.3142, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9243, 0.3163, 0.2527 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(255, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 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(255, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.9243, 0.3163, 0.2527 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(255, 177, 255) }
```

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

```
.border{ border-color:rgb(255, 177, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9243, 0.3163, 0.2527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 255) }
```

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

```
.background{ background-color: rgb(255,  
177, 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