

Converting Colors

$Y_{xy}(55.5385, 0.2983, 0.2337)$

Have a look what the booklet for
Yxy(55.5385, 0.2983, 0.2337)
contains.

Yxy(54.8467, 0.3063, 0.2433)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.8467, 0.3063, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	F2AAFF
RGB	242, 170, 255
RGB Percent	95%, 67%, 100%
CMY	0.0508, 0.3334, 0.0001
CMYK	0.05, 0.33, 0.00, 0.00
HSL	291°, 100%, 83%
HSV	291°, 33%, 100%
XYZ	69.0487, 54.8467, 101.5329
YIQ	201.2180, 15.6270, 41.6990

Conversions

Conversions Part 2

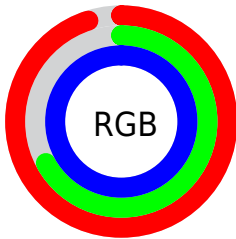
Format	Color
R _Y B	242, 170, 255
Decimal	15903487
CIE Lab	78.95, 40.20, -31.68
CIE LCh	79, 51.183, 321.757
Yxy	54.8467, 0.3063, 0.2433
Android (android.graphics.Color)	4294093567 (0xFFF2A AFF)
YUV	201.2180, 26.5145, 35.7658
Hunter-Lab	74.0586, 36.8224, -29.4445

Details

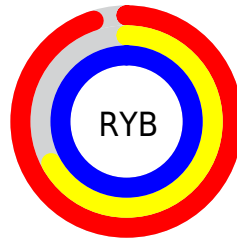
The Yxy color **54.8467, 0.3063, 0.2433** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **84.4645, 0.3157, 0.4266**, and the grayscale version is **58.3781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **27.1141, 0.3036, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **45.5196, 0.3034, 0.2178**, and if you desaturate by 10%, it is **66.0468, 0.3087, 0.2695**.

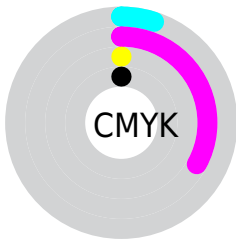
Distribution



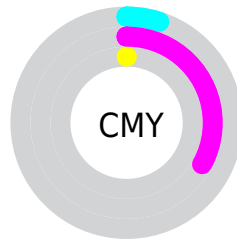
- Red (95%)
- Green (67%)
- Blue (100%)



- Red (95%)
- Yellow (67%)
- Blue (100%)



- Cyan (5%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8467, 0.3063, 0.2433 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 54.8467, 0.3063, 0.2433 by changing the saturation by 10% instead.


 54.8467, 0.3063,
0.2433

 54.8467, 0.3063,
0.2433


405.3306, 0.3105,
0.2818

 39.2790, 0.3051,
0.2348


 97.3163, 0.3080,
0.2564

 26.9768, 0.3034,
0.2246


124.9870, 0.3086,
0.2616

 17.5558, 0.3011,
0.2118


157.4608, 0.3090,
0.2661

 10.6316, 0.2978,
0.1958

195.1222, 0.3094,
0.2700

 5.8197, 0.2927,
0.1749

238.3554, 0.3097,
0.2735

 2.7357, 0.2842,
0.1471

287.5450, 0.3100,

 0.9954, 0.2689,

0.2766

0.1091

343.0752, 0.3103,
0.2793

0.0000, 0.2523,
0.0000

0.0000, 0.0000,
0.0000

54.8467, 0.3063,
0.2433

54.8467, 0.3063,
0.2433

45.5196, 0.3034,
0.2178

66.0468, 0.3087,
0.2695

37.9506, 0.3002,
0.1942

79.2119, 0.3107,
0.2956

32.0235, 0.2966,
0.1734

94.4362, 0.3123,
0.3209

27.6048, 0.2927,
0.1565

99.9984, 0.3127,
0.3290

■ 24.5400, 0.2887,
0.1439

■ 22.6410, 0.2846,
0.1360

■ 21.8420, 0.2820,
0.1327

Harmonies

Analogous

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



54.8467, 0.2459, 0.2258



54.8467, 0.3063, 0.2433



54.8467, 0.3756, 0.2785

Triad

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



54.8467, 0.3063, 0.2433



54.8467, 0.4246, 0.4235



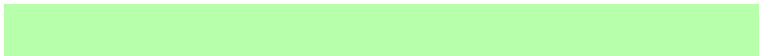
54.8467, 0.2071, 0.3155

Complementary

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



54.8467, 0.3063, 0.2433



84.4645, 0.3157, 0.4266

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.



54.8467, 0.2470, 0.3864



54.8467, 0.3063, 0.2433



54.8467, 0.3724, 0.4518

Square

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



54.8467, 0.3063, 0.2433



54.8467, 0.4475, 0.3765



54.8467, 0.3073, 0.4409



54.8467, 0.1938, 0.2597

Rectangle

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



54.8467, 0.3063, 0.2433



54.8467, 0.4151, 0.3089



54.8467, 0.3073, 0.4409



54.8467, 0.2175, 0.3387

Sweetspot

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



54.8491, 0.3063, 0.2433



84.0669, 0.3113, 0.3041



50.1095, 0.2546, 0.2463



17.5508, 0.3110, 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.



54.8491, 0.3063, 0.2433



48.4357, 0.3044, 0.2262



55.5284, 0.3396, 0.2716



18.1521, 0.3113, 0.3054



11.4684, 0.2826, 0.1331



1.1529, 0.2872, 0.1356

Inverse Universe

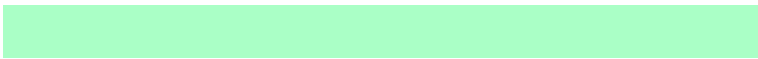
The Inverse Universe completely reimagines the original color for something new.



53.4177, 0.3790, 0.3156



46.8893, 0.3987, 0.3129



84.1411, 0.2933, 0.3945



18.0321, 0.3270, 0.3254



11.1981, 0.6193, 0.3185



1.1029, 0.5923, 0.3036

Previews

White Background



This preview shows how the Yxy color 54.8467, 0.3063, 0.2433 looks on a white background.

Color Contrast Check

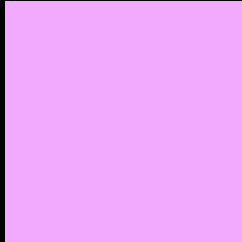
Large Text (above 18pt) WCAG AA × Fail

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 54.8467, 0.3063, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

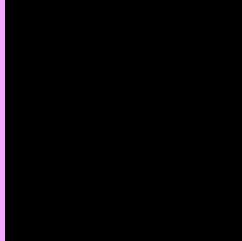
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8467, 0.3063, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 54.8467, 0.3063, 0.2433.



This preview shows how white text looks on a background with the Yxy color 54.8467, 0.3063, 0.2433.

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

54.8467, 0.3063, 0.2433

Protanopia

55.2686, 0.2611, 0.2591

Deuteranopia

55.1034, 0.2684, 0.2617



Tritanopia

54.9338, 0.3460, 0.3136

Trichromacy



Original Color

54.8467, 0.3063, 0.2433



Protanomaly

54.3354, 0.2757, 0.2518



Deuteranomaly

54.4311, 0.2811, 0.2543

Tritanomaly

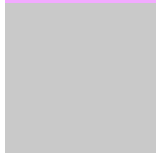
54.8551, 0.3316, 0.2870

Monochromacy



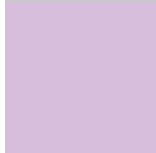
Original Color

54.8467, 0.3063, 0.2433



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.6463, 0.3104, 0.2941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8467, 0.3063, 0.2433 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(242, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 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(242, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.8467, 0.3063, 0.2433 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(242, 170, 255) }
```

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

```
.border{ border-color:rgb(242, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8467, 0.3063, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 255) }
```

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

```
.background{ background-color: rgb(242,  
170, 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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