

Converting Colors

$Y_{xy}(47.8918, 0.2417, 0.1991)$

Have a look what the booklet for
Yxy(47.8918, 0.2417, 0.1991)
contains.

Yxy(45.4156, 0.2619, 0.2295)	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(45.4156, 0.2619, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	B8A8FF
RGB	184, 168, 255
RGB Percent	72%, 66%, 100%
CMY	0.2783, 0.3412, 0.0000
CMYK	0.28, 0.34, 0.00, 0.00
HSL	251°, 100%, 83%
HSV	251°, 34%, 100%
XYZ	51.8272, 45.4156, 100.6465
YIQ	182.7020, -18.3910, 30.4490

Conversions

Conversions Part 2

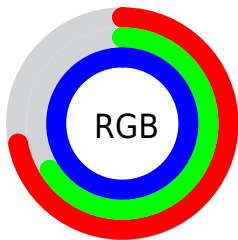
Format	Color
RYB	184, 168, 255
Decimal	12101887
CIELab	73.16, 24.15, -41.09
CIELCh	73, 47.665, 300.448
Yxy	45.4156, 0.2619, 0.2295
Android (android.graphics.Color)	4290291967 (0xFFB8A8FF)
YUV	182.7020, 35.6429, 1.1383
Hunter-Lab	67.3911, 19.3412, -41.3740

Details

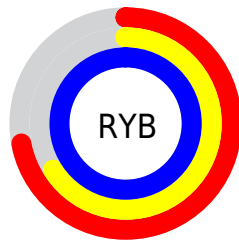
The Yxy color **45.4156, 0.2619, 0.2295** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.6885, 0.3533, 0.4177**, and the grayscale version is **46.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6961, 0.3046, 0.2970**, and **21.2351, 0.2477, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **34.5246, 0.2434, 0.1956**, and if you desaturate by 10%, it is **58.5329, 0.2790, 0.2619**.

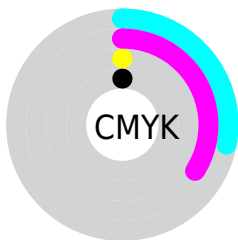
Distribution



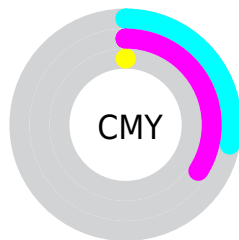
- Red (72%)
- Green (66%)
- Blue (100%)



- Red (72%)
- Yellow (66%)
- Blue (100%)



- Cyan (28%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4156, 0.2619, 0.2295 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 45.4156, 0.2619, 0.2295 by changing the saturation by 10% instead.


 45.4156, 0.2619,
0.2295


 45.4156, 0.2619,
0.2295


368.4542, 0.2875,
0.2758

 31.7849, 0.2556,
0.2191


 83.3437, 0.2711,
0.2455

 21.1973, 0.2477,
0.2063


 108.4099, 0.2746,
0.2517

 13.2683, 0.2374,
0.1904


138.0568, 0.2776,
0.2571

 7.6135, 0.2235,
0.1701

172.6686, 0.2801,
0.2618

 3.8487, 0.2042,
0.1439

212.6299, 0.2823,
0.2659

 1.5893, 0.1761,
0.1094

258.3250, 0.2843,


 0.3504, 0.1357,


0.2696


0.0514


310.1383, 0.2860,
0.2729

 0.0000, 0.0000,
0.0000

 45.4156, 0.2619,
0.2295


 45.4156, 0.2619,
0.2295

 34.5246, 0.2434,
0.1956


 58.5329, 0.2790,
0.2619


 25.7309, 0.2241,
0.1618


 73.9872, 0.2943,
0.2918

 18.8986, 0.2050,
0.1300

 91.8870, 0.3077,
0.3188

 13.8738, 0.1875,
0.1026

 100.0000, 0.3127,
0.3290

 10.4790, 0.1729,
0.0818

■ 8.4993, 0.1620,
0.0687

■ 7.8253, 0.1574,
0.0641

Harmonies

Analogous

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



45.4156, 0.2166, 0.2272



45.4156, 0.2619, 0.2295



45.4156, 0.3263, 0.2525

Triad

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



45.4156, 0.2619, 0.2295



45.4156, 0.4437, 0.3906



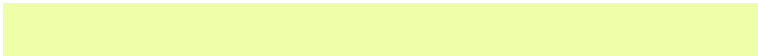
45.4156, 0.2335, 0.3655

Complementary

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



45.4156, 0.2619, 0.2295



92.6885, 0.3533, 0.4177

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.



45.4156, 0.2888, 0.4280



45.4156, 0.2619, 0.2295



45.4156, 0.4111, 0.4338

Square

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



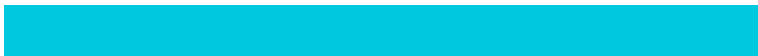
45.4156, 0.2619, 0.2295



45.4156, 0.4383, 0.3400



45.4156, 0.3539, 0.4524



45.4156, 0.2013, 0.2973

Rectangle

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



45.4156, 0.2619, 0.2295



45.4156, 0.3723, 0.2771



45.4156, 0.3539, 0.4524



45.4156, 0.2499, 0.3888

Sweetspot

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



45.4170, 0.2619, 0.2295



81.0627, 0.3001, 0.3033



77.3049, 0.2619, 0.3111



16.8243, 0.2981, 0.2994



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.



45.4170, 0.2619, 0.2295



37.6934, 0.2493, 0.2063



51.6252, 0.2947, 0.2382



17.5389, 0.3007, 0.3046



4.1349, 0.1584, 0.0646



0.4438, 0.1679, 0.0699

Inverse Universe

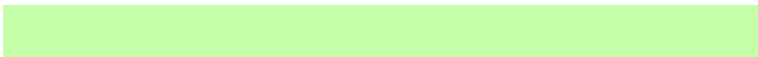
The Inverse Universe completely reimagines the original color for something new.



55.4905, 0.3295, 0.2582



49.2560, 0.3338, 0.2442



86.0214, 0.3246, 0.4265



18.2395, 0.3166, 0.3098



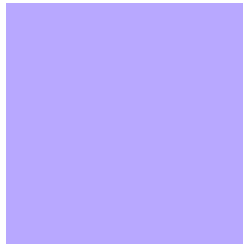
13.5080, 0.3740, 0.1834



1.3295, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 45.4156, 0.2619, 0.2295 looks on a white background.

Color Contrast Check

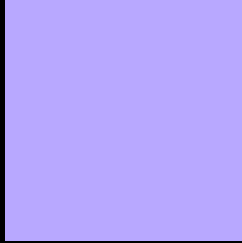
Large Text (above 18pt) WCAG AA × Fail

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 45.4156, 0.2619, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

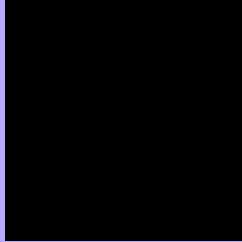
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4156, 0.2619, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 45.4156, 0.2619, 0.2295.



This preview shows how white text looks on a background with the Yxy color 45.4156, 0.2619, 0.2295.

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

45.4156, 0.2619, 0.2295

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.7049, 0.2440, 0.2383



Tritanopia

45.3082, 0.2952, 0.3106

Trichromacy



Original Color

45.4156, 0.2619, 0.2295

Protanomaly

45.5991, 0.2504, 0.2334

Deuteranomaly

45.3204, 0.2496, 0.2341

Tritanomaly

45.2386, 0.2823, 0.2787

Monochromacy



Original Color

45.4156, 0.2619, 0.2295

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5115, 0.2929, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4156, 0.2619, 0.2295 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(184, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 168, 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(184, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.4156, 0.2619, 0.2295 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(184, 168, 255) }
```

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

```
.border{ border-color:rgb(184, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4156, 0.2619, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 168, 255) }
```

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

```
.background{ background-color: rgb(184,  
168, 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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