

Converting Colors

$Y_{xy}(43.5022, 0.2504, 0.2079)$

Have a look what the booklet for
Yxy(43.5022, 0.2504, 0.2079)
contains.

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Color

Yxy(42.5335, 0.2589, 0.2209)

Conversions

Conversions Part 1

Format	Color
Hex	B5A1FF
RGB	181, 161, 255
RGB Percent	71%, 63%, 100%
CMY	0.2901, 0.3686, 0.0001
CMYK	0.29, 0.37, 0.00, 0.00
HSL	253°, 100%, 82%
HSV	253°, 37%, 100%
XYZ	49.8503, 42.5335, 100.1626
YIQ	177.6960, -18.2540, 33.4740

Conversions

Conversions Part 2

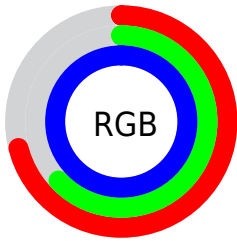
Format	Color
R_{YB}	181, 161, 255
Decimal	11903487
CIE _{Lab}	71.24, 27.20, -44.10
CIE _{LCh}	71, 51.817, 301.665
Yxy	42.5335, 0.2589, 0.2209
Android (android.graphics.Color)	4290093567 (0xFFB5A1FF)
YUV	177.6960, 38.1109, 2.8976
Hunter-Lab	65.2177, 22.3085, -45.4063

Details

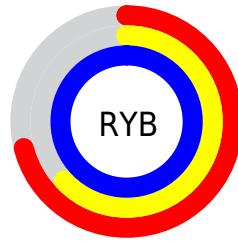
The Yxy color **42.5335, 0.2589, 0.2209** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.7262, 0.3546, 0.4255**, and the grayscale version is **44.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6825, 0.3034, 0.2897**, and **19.4501, 0.2436, 0.1952** is the 20% darker color. If you saturate the color by 10%, you get **32.2602, 0.2406, 0.1872**, and if you desaturate by 10%, it is **54.9762, 0.2759, 0.2535**.

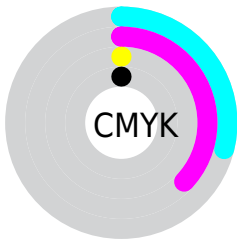
Distribution



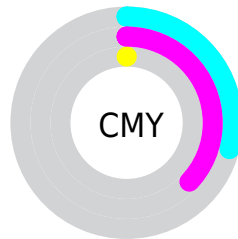
- Red (71%)
- Green (63%)
- Blue (100%)



- Red (71%)
- Yellow (63%)
- Blue (100%)



- Cyan (29%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5335, 0.2589, 0.2209 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 42.5335, 0.2589, 0.2209 by changing the saturation by 10% instead.


 42.5335, 0.2589,
0.2209

 42.5335, 0.2589,
0.2209


356.6898, 0.2863,
0.2712

 29.5193, 0.2521,
0.2096


 79.0064, 0.2688,
0.2383

 19.4740, 0.2435,
0.1958


 103.2339, 0.2726,
0.2451

 12.0133, 0.2323,
0.1786

131.9679, 0.2758,
0.2509

 6.7527, 0.2173,
0.1569

165.5928, 0.2785,
0.2560

 3.3079, 0.1962,
0.1291

204.4931, 0.2808,
0.2605

 1.2945, 0.1657,
0.0933

249.0531, 0.2829,

 0.1370, 0.1240,

0.2645

0.0214

299.6572, 0.2847,
0.2680

■ 0.0000, 0.0000,
0.0000

■ 42.5335, 0.2589,
0.2209

■ 42.5335, 0.2589,
0.2209

■ 32.2602, 0.2406,
0.1872

■ 54.9762, 0.2759,
0.2535

■ 24.0252, 0.2217,
0.1540

■ 69.6990, 0.2911,
0.2840

■ 17.6911, 0.2032,
0.1235

■ 86.8110, 0.3046,
0.3117

■ 13.1007, 0.1864,
0.0979

99.9980, 0.3127,
0.3290

■ 10.0709, 0.1724,
0.0790

■ 8.3728, 0.1622,
0.0678

■ 8.0113, 0.1596,
0.0653

Harmonies

Analogous

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



42.5335, 0.2088, 0.2170



42.5335, 0.2589, 0.2209



42.5335, 0.3304, 0.2466

Triad

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



42.5335, 0.2589, 0.2209



42.5335, 0.4565, 0.3972



42.5335, 0.2231, 0.3661

Complementary

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



42.5335, 0.2589, 0.2209



91.7262, 0.3546, 0.4255

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.



42.5335, 0.2826, 0.4382



42.5335, 0.2589, 0.2209



42.5335, 0.4181, 0.4452

Square

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



42.5335, 0.2589, 0.2209



42.5335, 0.4534, 0.3420



42.5335, 0.3540, 0.4666



42.5335, 0.1897, 0.2901

Rectangle

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



42.5335, 0.2589, 0.2209



42.5335, 0.3816, 0.2736



42.5335, 0.3540, 0.4666



42.5335, 0.2405, 0.3928

Sweetspot

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



42.5351, 0.2589, 0.2209



79.4421, 0.2992, 0.3006



74.8871, 0.2580, 0.3077



16.5060, 0.2974, 0.2968



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.



42.5351, 0.2589, 0.2209



34.9885, 0.2459, 0.1968



49.0034, 0.2941, 0.2310



17.5642, 0.3012, 0.3046



4.2389, 0.1608, 0.0659



0.4574, 0.1709, 0.0715

Inverse Universe

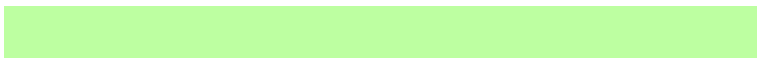
The Inverse Universe completely reimagines the original color for something new.



52.7396, 0.3335, 0.2550



46.6197, 0.3387, 0.2412



84.9165, 0.3243, 0.4357



18.2302, 0.3171, 0.3105



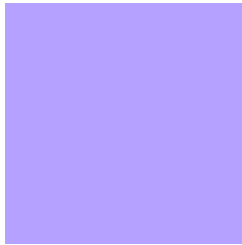
13.3270, 0.3836, 0.1887



1.3134, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 42.5335, 0.2589, 0.2209 looks on a white background.

Color Contrast Check

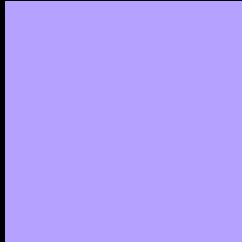
Large Text (above 18pt) WCAG AA × Fail

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 42.5335, 0.2589, 0.2209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

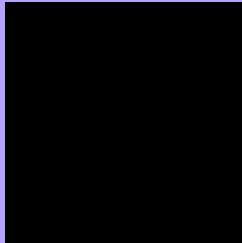
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5335, 0.2589, 0.2209

Background



This preview shows how black text looks on a background with the Yxy color 42.5335, 0.2589, 0.2209.



This preview shows how white text looks on a background with the Yxy color 42.5335, 0.2589, 0.2209.

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

42.5335, 0.2589, 0.2209

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.7551, 0.2375, 0.2316



Tritanopia

42.6589, 0.2956, 0.3101

Trichromacy



Original Color

42.5335, 0.2589, 0.2209

Protanomaly

42.5962, 0.2448, 0.2250

Deuteranomaly

42.6359, 0.2448, 0.2278

Tritanomaly

42.4378, 0.2816, 0.2740

Monochromacy



Original Color

42.5335, 0.2589, 0.2209

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.5450, 0.2917, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5335, 0.2589, 0.2209 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(181, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 161, 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(181, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.5335, 0.2589, 0.2209 is called "border". The border property can be set on classes, ids or directly on the HTML element.

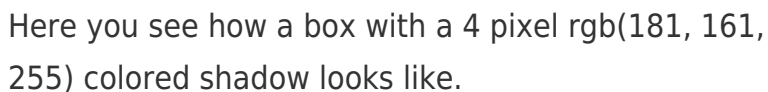
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 161, 255) }
```

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

```
.border{ border-color:rgb(181, 161, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5335, 0.2589, 0.2209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 161, 255) }
```

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

```
.background{ background-color: rgb(181,  
161, 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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