

Converting Colors

$Yxy(43.3366, 0.2543, 0.2175)$

Have a look what the booklet for
Yxy(43.3366, 0.2543, 0.2175)
contains.

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Color

Yxy(42.9981, 0.2577, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	B3A3FF
RGB	179, 163, 255
RGB Percent	70%, 64%, 100%
CMY	0.2980, 0.3607, 0.0001
CMYK	0.30, 0.36, 0.00, 0.00
HSL	250°, 100%, 82%
HSV	250°, 36%, 100%
XYZ	49.7334, 42.9981, 100.2581
YIQ	178.2720, -19.9960, 32.0040

Conversions

Conversions Part 2

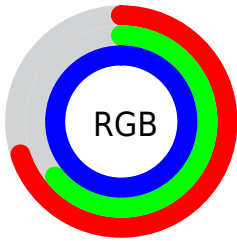
Format	Color
R_{YB}	179, 163, 255
Decimal	11772927
CIE _{Lab}	71.55, 25.52, -43.62
CIE _{LCh}	72, 50.537, 300.333
Yxy	42.9981, 0.2577, 0.2228
Android (android.graphics.Color)	4289963007 (0xFFB3A3FF)
YUV	178.2720, 37.8269, 0.6385
Hunter-Lab	65.5729, 20.6297, -44.7507

Details

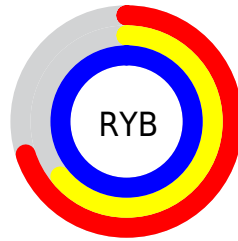
The Yxy color **42.9981, 0.2577, 0.2228** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.4903, 0.3562, 0.4226**, and the grayscale version is **44.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1957, 0.3013, 0.2915**, and **19.7312, 0.2422, 0.1975** is the 20% darker color. If you saturate the color by 10%, you get **32.5185, 0.2388, 0.1887**, and if you desaturate by 10%, it is **55.6894, 0.2753, 0.2557**.

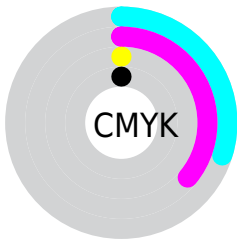
Distribution



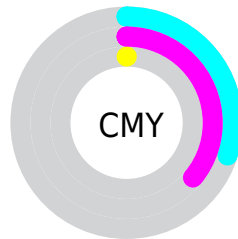
- Red (70%)
- Green (64%)
- Blue (100%)



- Red (70%)
- Yellow (64%)
- Blue (100%)



- Cyan (30%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9981, 0.2577, 0.2228 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 42.9981, 0.2577, 0.2228 by changing the saturation by 10% instead.


 42.9981, 0.2577,
0.2228

 42.9981, 0.2577,
0.2228


358.6040, 0.2856,
0.2723

 29.8836, 0.2508,
0.2116


 79.7080, 0.2678,
0.2399

 19.7503, 0.2421,
0.1980


 104.0722, 0.2716,
0.2466

 12.2136, 0.2308,
0.1810


132.9551, 0.2748,
0.2523

 6.8894, 0.2157,
0.1596

166.7411, 0.2776,
0.2574

 3.3930, 0.1946,
0.1319

205.8146, 0.2800,
0.2618

 1.3402, 0.1641,
0.0963

250.5600, 0.2821,

 0.1720, 0.1220,

0.2657

0.0267

301.3616, 0.2839,
0.2692

0.0000, 0.0000,
0.0000

42.9981, 0.2577,
0.2228

42.9981, 0.2577,
0.2228

32.5185, 0.2388,
0.1887

55.6894, 0.2753,
0.2557

24.1179, 0.2193,
0.1549

70.7047, 0.2912,
0.2861

17.6572, 0.2003,
0.1237

88.1548, 0.3052,
0.3137

12.9776, 0.1833,
0.0974

99.9979, 0.3127,
0.3290

9.8949, 0.1694,
0.0781

■ 8.1826, 0.1595,
0.0666

■ 7.7611, 0.1566,
0.0637

Harmonies

Analogous

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



42.9981, 0.2098, 0.2202



42.9981, 0.2577, 0.2228



42.9981, 0.3267, 0.2471

Triad

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



42.9981, 0.2577, 0.2228



42.9981, 0.4536, 0.3936



42.9981, 0.2276, 0.3686

Complementary

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



42.9981, 0.2577, 0.2228



92.4903, 0.3562, 0.4226

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.



42.9981, 0.2866, 0.4370



42.9981, 0.2577, 0.2228



42.9981, 0.4180, 0.4408

Square

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



42.9981, 0.2577, 0.2228



42.9981, 0.4482, 0.3396



42.9981, 0.3564, 0.4626



42.9981, 0.1935, 0.2944

Rectangle

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



42.9981, 0.2577, 0.2228



42.9981, 0.3765, 0.2731



42.9981, 0.3564, 0.4626



42.9981, 0.2450, 0.3942

Sweetspot

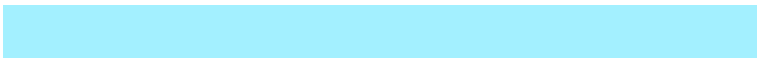
The Sweet Spot groups the original color and five complimentary colors.



42.9998, 0.2577, 0.2228



79.2580, 0.2985, 0.3005



77.1147, 0.2595, 0.3117



16.4624, 0.2966, 0.2967



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.



42.9998, 0.2577, 0.2228



35.5154, 0.2447, 0.1992



49.3133, 0.2922, 0.2325



17.5296, 0.3006, 0.3046



4.1003, 0.1576, 0.0642



0.4391, 0.1668, 0.0693

Inverse Universe

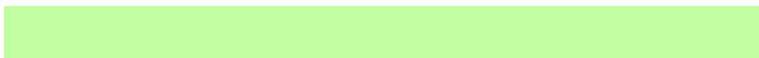
The Inverse Universe completely reimagines the original color for something new.



53.6820, 0.3299, 0.2533



47.6699, 0.3341, 0.2393



85.5689, 0.3261, 0.4325



18.2429, 0.3165, 0.3096



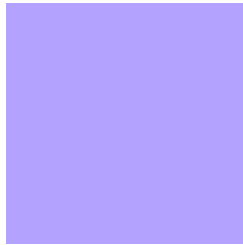
13.5769, 0.3706, 0.1815



1.3356, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 42.9981, 0.2577, 0.2228 looks on a white background.

Color Contrast Check

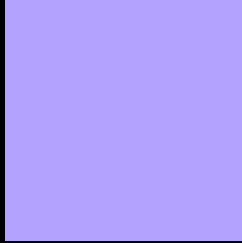
Large Text (above 18pt) WCAG AA × Fail

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 42.9981, 0.2577, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

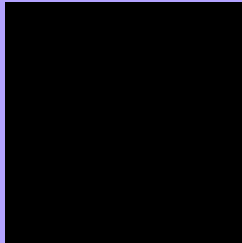
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9981, 0.2577, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 42.9981, 0.2577, 0.2228.



This preview shows how white text looks on a background with the Yxy color 42.9981, 0.2577, 0.2228.

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

42.9981, 0.2577, 0.2228

Protanopia

43.4030, 0.2389, 0.2294

Deuteranopia

43.3837, 0.2383, 0.2321



Tritanopia

42.8754, 0.2932, 0.3101

Trichromacy



Original Color

42.9981, 0.2577, 0.2228

Protanomaly

42.9669, 0.2450, 0.2262

Deuteranomaly

43.0733, 0.2444, 0.2280

Tritanomaly

42.6388, 0.2794, 0.2739

Monochromacy



Original Color

42.9981, 0.2577, 0.2228

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.8083, 0.2909, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9981, 0.2577, 0.2228 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(179, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 163, 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(179, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.9981, 0.2577, 0.2228 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(179, 163, 255) }
```

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

```
.border{ border-color:rgb(179, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9981, 0.2577, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 163, 255) }
```

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

```
.background{ background-color: rgb(179,  
163, 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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