

Converting Colors

$Y_{xy}(42.4427, 0.2596, 0.2055)$

Have a look what the booklet for
Yxy(42.4427, 0.2596, 0.2055)
contains.

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Color

Yxy(41.6687, 0.2671, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	C19AFF
RGB	193, 154, 255
RGB Percent	76%, 60%, 100%
CMY	0.2431, 0.3961, 0.0001
CMYK	0.24, 0.40, 0.00, 0.00
HSL	263°, 100%, 80%
HSV	263°, 40%, 100%
XYZ	51.5981, 41.6687, 99.9122
YIQ	177.1750, -9.1770, 39.6790

Conversions

Conversions Part 2

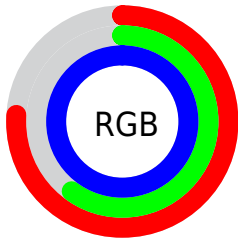
Format	Color
RYB	193, 154, 255
Decimal	12688127
CIELab	70.64, 34.43, -44.97
CIElCh	71, 56.632, 307.437
Yxy	41.6687, 0.2671, 0.2157
Android (android.graphics.Color)	4290878207 (0xFFC19AFF)
YUV	177.1750, 38.3677, 13.8785
Hunter-Lab	64.5513, 29.7165, -46.5828

Details

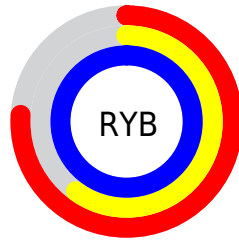
The Yxy color **41.6687, 0.2671, 0.2157** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.4324, 0.3455, 0.4372**, and the grayscale version is **43.8632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3302, 0.3120, 0.2837**, and **18.8983, 0.2529, 0.1892** is the 20% darker color. If you saturate the color by 10%, you get **32.1798, 0.2521, 0.1842**, and if you desaturate by 10%, it is **53.1659, 0.2809, 0.2469**.

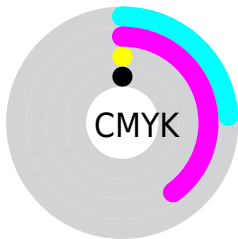
Distribution



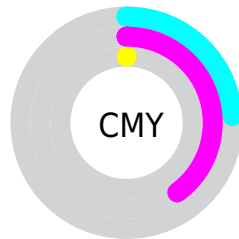
- Red (76%)
- Green (60%)
- Blue (100%)



- Red (76%)
- Yellow (60%)
- Blue (100%)



- Cyan (24%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6687, 0.2671, 0.2157 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 41.6687, 0.2671, 0.2157 by changing the saturation by 10% instead.


 41.6687, 0.2671,
0.2157

 41.6687, 0.2671,
0.2157


353.1077, 0.2909,
0.2680

 28.8420, 0.2611,
0.2040

 77.6980, 0.2758,
0.2337

 18.9613, 0.2534,
0.1898


 101.6693, 0.2791,
0.2407

 11.6423, 0.2433,
0.1723


130.1243, 0.2818,
0.2468

 6.5006, 0.2295,
0.1503


163.4473, 0.2842,
0.2521

 3.1518, 0.2100,
0.1223

202.0228, 0.2862,
0.2568

 1.2115, 0.1811,
0.0868

246.2350, 0.2880,

 0.0711, 0.1417,

0.2610

0.0111

296.4686, 0.2895,
0.2647

0.0000, 0.0000,
0.0000

41.6687, 0.2671,
0.2157

41.6687, 0.2671,
0.2157

32.1798, 0.2521,
0.1842

53.1659, 0.2809,
0.2469

24.5732, 0.2364,
0.1539

66.7769, 0.2931,
0.2768

18.7163, 0.2206,
0.1266

82.6058, 0.3038,
0.3046

14.4560, 0.2056,
0.1041

99.9986, 0.3127,
0.3290

11.6110, 0.1921,
0.0876

■ 9.9015, 0.1808,
0.0771

■ 9.8445, 0.1804,
0.0768

Harmonies

Analogous

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



41.6687, 0.2080, 0.2065



41.6687, 0.2671, 0.2157



41.6687, 0.3482, 0.2472

Triad

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



41.6687, 0.2671, 0.2157



41.6687, 0.4644, 0.4124



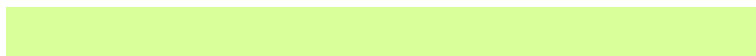
41.6687, 0.2053, 0.3521

Complementary

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



41.6687, 0.2671, 0.2157



88.4324, 0.3455, 0.4372

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.



41.6687, 0.2647, 0.4378



41.6687, 0.2671, 0.2157



41.6687, 0.4146, 0.4629

Square

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



41.6687, 0.2671, 0.2157



41.6687, 0.4719, 0.3530



41.6687, 0.3414, 0.4801



41.6687, 0.1760, 0.2721

Rectangle

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



41.6687, 0.2671, 0.2157



41.6687, 0.4035, 0.2781



41.6687, 0.3414, 0.4801



41.6687, 0.2220, 0.3824

Sweetspot

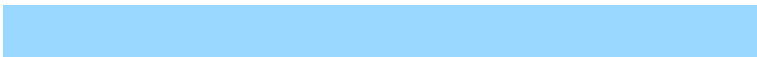
The Sweet Spot groups the original color and five complimentary colors.



41.6703, 0.2671, 0.2157



78.6178, 0.3014, 0.2981



63.3393, 0.2509, 0.2838



16.3725, 0.3001, 0.2946



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.



41.6703, 0.2671, 0.2157



33.5765, 0.2546, 0.1892



49.4203, 0.3075, 0.2281



17.7199, 0.3039, 0.3049



5.2244, 0.1821, 0.0777



0.5694, 0.1946, 0.0846

Inverse Universe

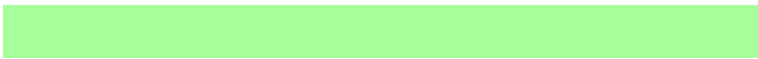
The Inverse Universe completely reimagines the original color for something new.



49.3235, 0.3513, 0.2659



42.4653, 0.3629, 0.2530



81.9229, 0.3137, 0.4488



18.1744, 0.3198, 0.3145



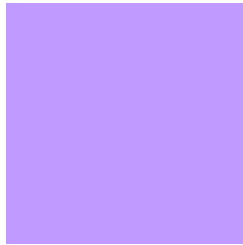
12.4014, 0.4489, 0.2246



1.2289, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 41.6687, 0.2671, 0.2157 looks on a white background.

Color Contrast Check

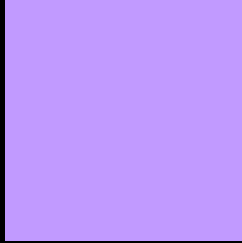
Large Text (above 18pt) WCAG AA × Fail

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 41.6687, 0.2671, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

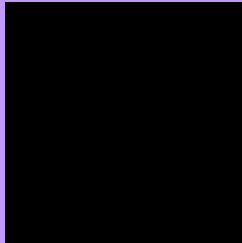
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6687, 0.2671, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 41.6687, 0.2671, 0.2157.



This preview shows how white text looks on a background with the Yxy color 41.6687, 0.2671, 0.2157.

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

41.6687, 0.2671, 0.2157

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

42.1328, 0.2366, 0.2310



Tritanopia

41.4981, 0.3109, 0.3104

Trichromacy



Original Color

41.6687, 0.2671, 0.2157

Protanomaly

41.4523, 0.2461, 0.2207

Deuteranomaly

41.4121, 0.2466, 0.2243

Tritanomaly

41.4687, 0.2942, 0.2724

Monochromacy



Original Color

41.6687, 0.2671, 0.2157

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.8510, 0.2958, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6687, 0.2671, 0.2157 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(193, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 154, 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(193, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6687, 0.2671, 0.2157 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(193, 154, 255) }
```

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

```
.border{ border-color:rgb(193, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6687, 0.2671, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 154, 255) }
```

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

```
.background{ background-color: rgb(193,  
154, 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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