

Converting Colors

$Y_{xy}(41.8490, 0.2672, 0.2163)$

Have a look what the booklet for
Yxy(41.8490, 0.2672, 0.2163)
contains.

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Color

Yxy(42.0001, 0.2672, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	C19BFF
RGB	193, 155, 255
RGB Percent	76%, 61%, 100%
CMY	0.2430, 0.3922, 0.0001
CMYK	0.24, 0.39, 0.00, 0.00
HSL	263°, 100%, 80%
HSV	263°, 39%, 100%
XYZ	51.7640, 42.0001, 99.9633
YIQ	177.7620, -9.4520, 39.1560

Conversions

Conversions Part 2

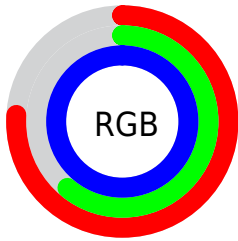
Format	Color
R _Y B	193, 155, 255
Decimal	12688383
CIE Lab	70.87, 33.88, -44.60
CIE LCh	71, 56.010, 307.215
Yxy	42.0001, 0.2672, 0.2168
Android (android.graphics.Color)	4290878463 (0xFFC19BFF)
YUV	177.7620, 38.0783, 13.3637
Hunter-Lab	64.8075, 29.1610, -46.0876

Details

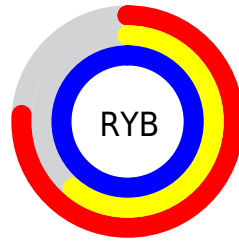
The Yxy color **42.0001, 0.2672, 0.2168** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.6140, 0.3457, 0.4359**, and the grayscale version is **44.1895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8224, 0.3119, 0.2847**, and **19.0961, 0.2530, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **32.4251, 0.2521, 0.1852**, and if you desaturate by 10%, it is **53.5919, 0.2810, 0.2481**.

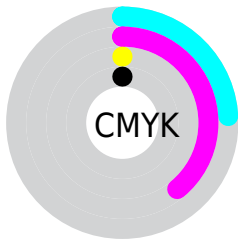
Distribution



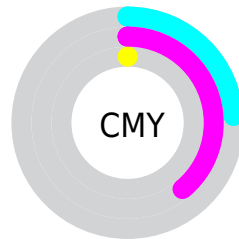
- Red (76%)
- Green (61%)
- Blue (100%)



- Red (76%)
- Yellow (61%)
- Blue (100%)



- Cyan (24%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0001, 0.2672, 0.2168 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 42.0001, 0.2672, 0.2168 by changing the saturation by 10% instead.


 42.0001, 0.2672,
0.2168

 42.0001, 0.2672,
0.2168

354.4834, 0.2909,
0.2686

 29.1014, 0.2612,
0.2052


 78.1998, 0.2759,
0.2346

 19.1575, 0.2536,
0.1912


 102.2695, 0.2791,
0.2416

 11.7842, 0.2435,
0.1738


130.8317, 0.2819,
0.2476

 6.5969, 0.2299,
0.1519

164.2708, 0.2842,
0.2529

 3.2113, 0.2105,
0.1240

202.9710, 0.2862,
0.2575

 1.2430, 0.1818,
0.0886

247.3170, 0.2880,


 0.0964, 0.1425,


0.2617


0.0149


297.6929, 0.2895,
0.2653


 0.0000, 0.0000,
0.0000


 42.0001, 0.2672,
0.2168


 42.0001, 0.2672,
0.2168


 32.4251, 0.2521,
0.1852


 53.5919, 0.2810,
0.2481

 24.7413, 0.2363,
0.1547


 67.3058, 0.2934,
0.2779

 18.8162, 0.2204,
0.1272

 83.2458, 0.3041,
0.3056

 14.4974, 0.2052,
0.1044

99.9983, 0.3127,
0.3290

 11.6049, 0.1917,
0.0876

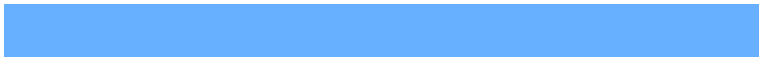
■ 9.8712, 0.1803,
0.0770

■ 9.7582, 0.1795,
0.0762

Harmonies

Analogous

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



42.0001, 0.2089, 0.2079



42.0001, 0.2672, 0.2168



42.0001, 0.3471, 0.2479

Triad

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



42.0001, 0.2672, 0.2168



42.0001, 0.4628, 0.4112



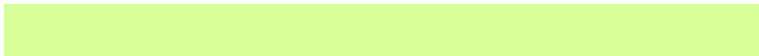
42.0001, 0.2069, 0.3525

Complementary

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



42.0001, 0.2672, 0.2168



88.6140, 0.3457, 0.4359

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.



42.0001, 0.2659, 0.4367



42.0001, 0.2672, 0.2168



42.0001, 0.4140, 0.4611

Square

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



42.0001, 0.2672, 0.2168



42.0001, 0.4696, 0.3525



42.0001, 0.3418, 0.4780



42.0001, 0.1776, 0.2735

Rectangle

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



42.0001, 0.2672, 0.2168



42.0001, 0.4017, 0.2784



42.0001, 0.3418, 0.4780



42.0001, 0.2236, 0.3823

Sweetspot

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



42.0018, 0.2672, 0.2168



78.5860, 0.3013, 0.2981



64.4943, 0.2518, 0.2863



16.3650, 0.2999, 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.



42.0018, 0.2672, 0.2168



34.3813, 0.2555, 0.1921



49.4755, 0.3062, 0.2286



17.7144, 0.3038, 0.3048



5.1789, 0.1811, 0.0771



0.5645, 0.1936, 0.0840

Inverse Universe

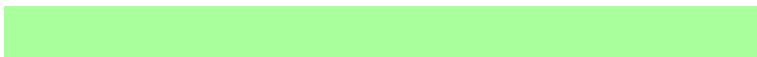
The Inverse Universe completely reimagines the original color for something new.



49.7052, 0.3502, 0.2659



43.2540, 0.3607, 0.2538



82.2309, 0.3147, 0.4470



18.1764, 0.3197, 0.3144



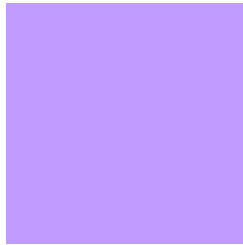
12.4290, 0.4464, 0.2233



1.2315, 0.4282, 0.2132

Previews

White Background



This preview shows how the Yxy color 42.0001, 0.2672, 0.2168 looks on a white background.

Color Contrast Check

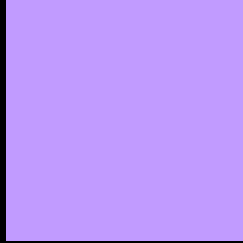
Large Text (above 18pt) WCAG AA × Fail

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 42.0001, 0.2672, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

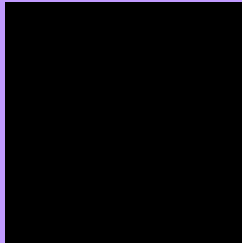
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0001, 0.2672, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 42.0001, 0.2672, 0.2168.



This preview shows how white text looks on a background with the Yxy color 42.0001, 0.2672, 0.2168.

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

42.0001, 0.2672, 0.2168

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.2209, 0.2371, 0.2311



Tritanopia

41.9134, 0.3100, 0.3105

Trichromacy



Original Color

42.0001, 0.2672, 0.2168

Protanomaly

41.8116, 0.2462, 0.2219

Deuteranomaly

41.8778, 0.2474, 0.2257

Tritanomaly

41.8777, 0.2935, 0.2725

Monochromacy



Original Color

42.0001, 0.2672, 0.2168

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2730, 0.2950, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0001, 0.2672, 0.2168 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, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 155, 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, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0001, 0.2672, 0.2168 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, 155, 255) }
```

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

```
.border{ border-color:rgb(193, 155, 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, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0001, 0.2672, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 155, 255) }
```

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

```
.background{ background-color: rgb(193,  
155, 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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