

Converting Colors

$Y_{xy}(42.3774, 0.2729, 0.2165)$

Have a look what the booklet for
Yxy(42.3774, 0.2729, 0.2165)
contains.

Yxy(42.4200, 0.2732, 0.2165)	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(42.4200, 0.2732, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	C999FF
RGB	201, 153, 255
RGB Percent	79%, 60%, 100%
CMY	0.2118, 0.4000, 0.0000
CMYK	0.21, 0.40, 0.00, 0.00
HSL	268°, 100%, 80%
HSV	268°, 40%, 100%
XYZ	53.5295, 42.4200, 99.9858
YIQ	178.9800, -4.1340, 41.8980

Conversions

Conversions Part 2

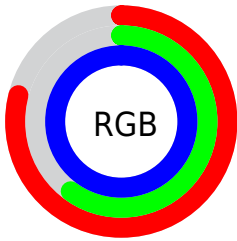
Format	Color
R_{YB}	201, 153, 255
Decimal	13212159
CIE _{Lab}	71.16, 37.22, -44.12
CIE _{LCh}	71, 57.725, 310.152
Yxy	42.4200, 0.2732, 0.2165
Android (android.graphics.Color)	4291402239 (0xFFC999FF)
YUV	178.9800, 37.4779, 19.3115
Hunter-Lab	65.1306, 32.7269, -45.4281

Details

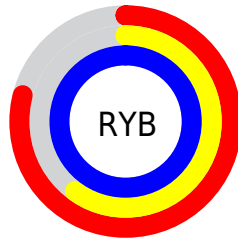
The Yxy color $42.4200, 0.2732, 0.2165$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $87.0861, 0.3401, 0.4404$, and the grayscale version is $44.8666, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $19.4043, 0.2608, 0.1908$ is the 20% darker color. If you saturate the color by 10%, you get $33.1567, 0.2602, 0.1862$, and if you desaturate by 10%, it is $53.6327, 0.2851, 0.2468$.

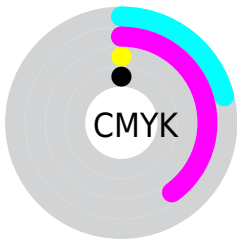
Distribution



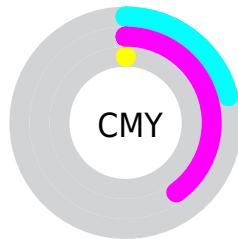
- Red (79%)
- Green (60%)
- Blue (100%)



- Red (79%)
- Yellow (60%)
- Blue (100%)



- Cyan (21%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4200, 0.2732, 0.2165 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 42.4200, 0.2732, 0.2165 by changing the saturation by 10% instead.


 42.4200, 0.2732,
0.2165


 42.4200, 0.2732,
0.2165


356.2211, 0.2940,
0.2682

 29.4303, 0.2679,
0.2050


 78.8349, 0.2809,
0.2342

 19.4066, 0.2610,
0.1910


 103.0289, 0.2838,
0.2412

 11.9644, 0.2520,
0.1738


131.7264, 0.2862,
0.2472

 6.7195, 0.2395,
0.1522

165.3119, 0.2882,
0.2525

 3.2873, 0.2218,
0.1247

204.1697, 0.2900,
0.2571

 1.2835, 0.1951,
0.0897

248.6842, 0.2915,


 0.1284, 0.1578,

0.2612


0.0194

299.2399, 0.2929,
0.2649

 0.0000, 0.0000,
0.0000

 42.4200, 0.2732,
0.2165


 42.4200, 0.2732,
0.2165

 33.1567, 0.2602,
0.1862


 53.6327, 0.2851,
0.2468

 25.7217, 0.2463,
0.1574


 66.9012, 0.2957,
0.2761

 19.9833, 0.2322,
0.1316

 82.3265, 0.3049,
0.3036

 15.7905, 0.2185,
0.1104

100.0000, 0.3127,
0.3290

 12.9639, 0.2059,
0.0948

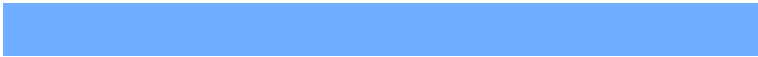
■ 11.2127, 0.1948,
0.0847

■ 11.2125, 0.1948,
0.0847

Harmonies

Analogous

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



42.4200, 0.2110, 0.2049



42.4200, 0.2732, 0.2165



42.4200, 0.3564, 0.2501

Triad

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



42.4200, 0.2732, 0.2165



42.4200, 0.4631, 0.4183



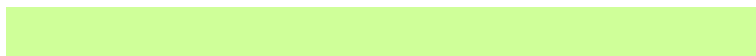
42.4200, 0.1999, 0.3441

Complementary

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



42.4200, 0.2732, 0.2165



87.0861, 0.3401, 0.4404

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.



42.4200, 0.2575, 0.4327



42.4200, 0.2732, 0.2165



42.4200, 0.4096, 0.4679

Square

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



42.4200, 0.2732, 0.2165



42.4200, 0.4754, 0.3584



42.4200, 0.3343, 0.4810



42.4200, 0.1734, 0.2654

Rectangle

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



42.4200, 0.2732, 0.2165



42.4200, 0.4117, 0.2821



42.4200, 0.3343, 0.4810



42.4200, 0.2159, 0.3748

Sweetspot

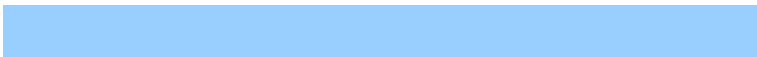
The Sweet Spot groups the original color and five complimentary colors.



42.4208, 0.2732, 0.2165



79.0623, 0.3031, 0.2983



58.8130, 0.2487, 0.2729



16.4769, 0.3020, 0.2948



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.



42.4208, 0.2732, 0.2165



34.8582, 0.2628, 0.1922



50.6243, 0.3145, 0.2293



17.7968, 0.3053, 0.3050



5.9460, 0.1965, 0.0856



0.6433, 0.2089, 0.0925

Inverse Universe

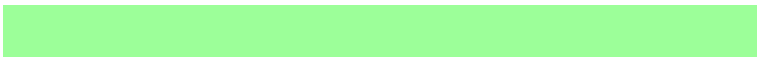
The Inverse Universe completely reimagines the original color for something new.



48.5487, 0.3600, 0.2735



41.9755, 0.3738, 0.2628



80.9282, 0.3088, 0.4519



18.1478, 0.3211, 0.3165



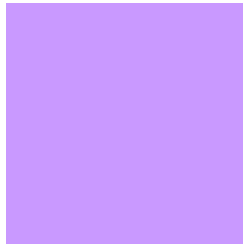
12.0534, 0.4839, 0.2440



1.1957, 0.4602, 0.2309

Previews

White Background



This preview shows how the Yxy color 42.4200, 0.2732, 0.2165 looks on a white background.

Color Contrast Check

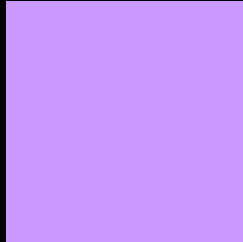
Large Text (above 18pt) WCAG AA × Fail

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 42.4200, 0.2732, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

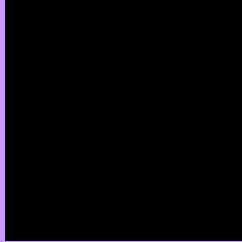
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4200, 0.2732, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 42.4200, 0.2732, 0.2165.



This preview shows how white text looks on a background with the Yxy color 42.4200, 0.2732, 0.2165.

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

42.4200, 0.2732, 0.2165

Protanopia

42.8360, 0.2375, 0.2278

Deuteranopia

42.7815, 0.2385, 0.2327



Tritanopia

42.4447, 0.3190, 0.3121

Trichromacy



Original Color

42.4200, 0.2732, 0.2165

Protanomaly

42.2373, 0.2489, 0.2226

Deuteranomaly

42.3000, 0.2501, 0.2264

Tritanomaly

42.1353, 0.3012, 0.2723

Monochromacy



Original Color

42.4200, 0.2732, 0.2165

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

43.8192, 0.2976, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4200, 0.2732, 0.2165 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(201, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 153, 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(201, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.4200, 0.2732, 0.2165 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(201, 153, 255) }
```

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

```
.border{ border-color:rgb(201, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4200, 0.2732, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 153, 255) }
```

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

```
.background{ background-color: rgb(201,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor