

Converting Colors

$Y_{xy}(32.2232, 0.2455, 0.1859)$

Have a look what the booklet for
Yxy(32.2232, 0.2455, 0.1859)
contains.

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Color

Yxy(32.3199, 0.2454, 0.1863)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A885FF |
| RGB | 168, 133, 255 |
| RGB Percent | 66%, 52%, 100% |
| CMY | 0.3414, 0.4783, 0.0001 |
| CMYK | 0.34, 0.48, 0.00, 0.00 |
| HSL | 257°, 100%, 76% |
| HSV | 257°, 48%, 100% |
| XYZ | 42.5728, 32.3199, 98.5904 |
| YIQ | 157.3730, -18.3020, 45.3620 |

Conversions

Conversions Part 2

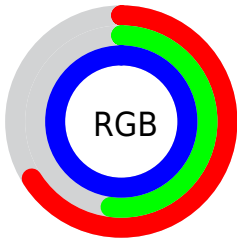
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 168, 133, 255 |
| Decimal | 11044351 |
| CIE Lab | 63.61, 39.43, -56.24 |
| CIE LCh | 64, 68.682, 305.037 |
| Yxy | 32.3199, 0.2454, 0.1863 |
| Android (android.graphics.Color) | 4289234431 (0xFFA885FF) |
| YUV | 157.3730, 48.1301, 9.3199 |
| Hunter-Lab | 56.8506, 34.1818, -63.0255 |

Details

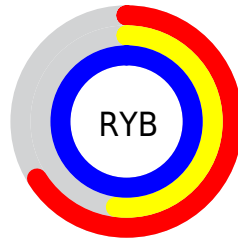
The Yxy color $32.3199, 0.2454, 0.1863$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.4356, 0.3592, 0.4568$, and the grayscale version is $33.6779, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.9294, 0.2940, 0.2578$, and $13.4913, 0.2240, 0.1529$ is the 20% darker color. If you saturate the color by 10%, you get $24.3051, 0.2277, 0.1542$, and if you desaturate by 10%, it is $42.3112, 0.2624, 0.2192$.

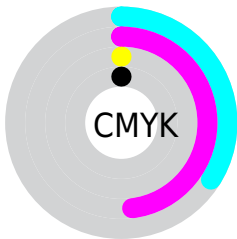
Distribution



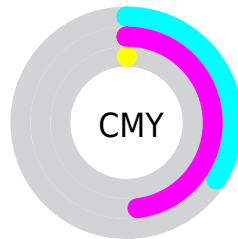
- Red (66%)
- Green (52%)
- Blue (100%)



- Red (66%)
- Yellow (52%)
- Blue (100%)



- Cyan (34%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3199, 0.2454, 0.1863 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 32.3199, 0.2454, 0.1863 by changing the saturation by 10% instead.

 32.3199, 0.2454,
0.1863


 32.3199, 0.2454,
0.1863


312.5739, 0.2811,
0.2526


 21.6060, 0.2363,
0.1717


 63.3123, 0.2586,
0.2090

 13.5677, 0.2247,
0.1540

 84.3595, 0.2635,
0.2180

 7.8206, 0.2095,
0.1327


 109.6199, 0.2676,
0.2257

 3.9804, 0.1891,
0.1067

139.4779, 0.2711,
0.2325

 1.6626, 0.1610,
0.0755

174.3179, 0.2742,
0.2384

 0.3993, 0.1229,
0.0339

214.5243, 0.2768,


 0.0000, 0.0523,


0.2437


0.0000


260.4815, 0.2791,
0.2484


 0.0000, 0.0000,
0.0000


 32.3199, 0.2454,
0.1863


 32.3199, 0.2454,
0.1863

 24.3051, 0.2277,
0.1542


 42.3112, 0.2624,
0.2192


 18.1269, 0.2102,
0.1249


 54.3984, 0.2780,
0.2512

 13.6323, 0.1939,
0.1004

 68.6958, 0.2920,
0.2815

 10.6407, 0.1799,
0.0823

 85.3079, 0.3043,
0.3092

 8.9139, 0.1689,
0.0712

99.9991, 0.3127,
0.3290

■ 8.6342, 0.1669,
0.0693

Harmonies

Analogous

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



32.3199, 0.1768, 0.1765



32.3199, 0.2454, 0.1863



32.3199, 0.3482, 0.2221

Triad

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



32.3199, 0.2454, 0.1863



32.3199, 0.5073, 0.4184



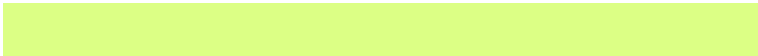
32.3199, 0.1789, 0.3668

Complementary

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



32.3199, 0.2454, 0.1863



88.4356, 0.3592, 0.4568

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.



32.3199, 0.2536, 0.4865



32.3199, 0.2454, 0.1863



32.3199, 0.4421, 0.4905

Square

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



32.3199, 0.2454, 0.1863



32.3199, 0.5180, 0.3457



32.3199, 0.3500, 0.5311



32.3199, 0.1433, 0.2579

Rectangle

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



32.3199, 0.2454, 0.1863



32.3199, 0.4231, 0.2580



32.3199, 0.3500, 0.5311



32.3199, 0.1998, 0.4096

Sweetspot

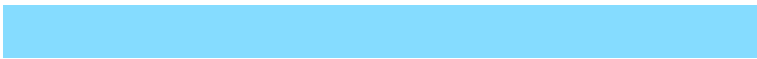
The Sweet Spot groups the original color and five complimentary colors.



32.3211, 0.2454, 0.1863



74.7827, 0.2969, 0.2924



63.6229, 0.2417, 0.2877



15.2639, 0.2942, 0.2863



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.



32.3211, 0.2454, 0.1863



24.8990, 0.2292, 0.1568



40.5901, 0.2952, 0.2044



17.6294, 0.3023, 0.3047



4.5771, 0.1683, 0.0701



0.4983, 0.1799, 0.0764

Inverse Universe

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



43.2142, 0.3503, 0.2420



37.1613, 0.3603, 0.2276



80.6238, 0.3201, 0.4745



18.2065, 0.3182, 0.3122



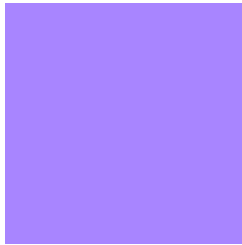
12.9013, 0.4097, 0.2030



1.2750, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 32.3199, 0.2454, 0.1863 looks on a white background.

Color Contrast Check

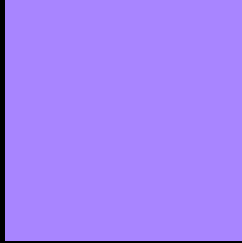
Large Text (above 18pt) WCAG AA × Fail

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 32.3199, 0.2454, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

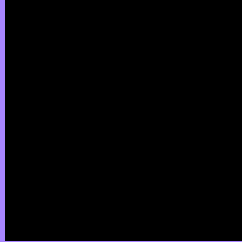
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3199, 0.2454, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 32.3199, 0.2454, 0.1863.



This preview shows how white text looks on a background with the Yxy color 32.3199, 0.2454, 0.1863.

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

32.3199, 0.2454, 0.1863

Protanopia

32.7327, 0.2130, 0.1955

Deuteranopia

32.7777, 0.2087, 0.2030



Tritanopia

32.2539, 0.2971, 0.3108

Trichromacy



Original Color

32.3199, 0.2454, 0.1863

Protanomaly

32.0721, 0.2229, 0.1904

Deuteranomaly

32.0333, 0.2191, 0.1948

Tritanomaly

31.7029, 0.2765, 0.2564

Monochromacy



Original Color

32.3199, 0.2454, 0.1863

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.6071, 0.2852, 0.2663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3199, 0.2454, 0.1863 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(168, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 133, 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(168, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.3199, 0.2454, 0.1863 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(168, 133, 255) }
```

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

```
.border{ border-color:rgb(168, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3199, 0.2454, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 133, 255) }
```

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

```
.background{ background-color: rgb(168,  
133, 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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