

Converting Colors

$Yxy(32.0777, 0.2481, 0.1847)$

Have a look what the booklet for
Yxy(32.0777, 0.2481, 0.1847)
contains.

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Color

Yxy(32.2233, 0.2482, 0.1852)

Conversions

Conversions Part 1

Format	Color
Hex	AC83FF
RGB	172, 131, 255
RGB Percent	67%, 51%, 100%
CMY	0.3255, 0.4863, 0.0000
CMYK	0.33, 0.49, 0.00, 0.00
HSL	260°, 100%, 76%
HSV	260°, 49%, 100%
XYZ	43.1848, 32.2233, 98.5838
YIQ	157.3950, -15.3680, 47.2560

Conversions

Conversions Part 2

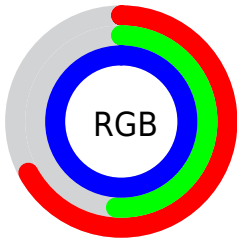
Format	Color
RYB	172, 131, 255
Decimal	11305983
CIELab	63.53, 41.60, -56.37
CIELCh	64, 70.055, 306.425
Yxy	32.2233, 0.2482, 0.1852
Android (android.graphics.Color)	4289496063 (0xFFAC83FF)
YUV	157.3950, 48.1193, 12.8086
Hunter-Lab	56.7656, 36.4553, -63.2320

Details

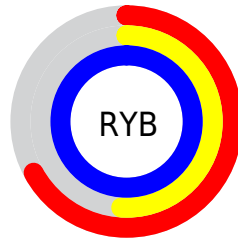
The Yxy color **32.2233, 0.2482, 0.1852** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.4528, 0.3560, 0.4607**, and the grayscale version is **33.6868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7409, 0.2969, 0.2564**, and **13.4594, 0.2273, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **24.3864, 0.2314, 0.1539**, and if you desaturate by 10%, it is **41.9907, 0.2643, 0.2175**.

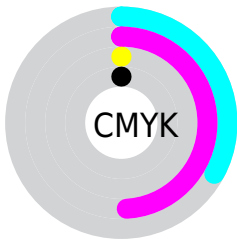
Distribution



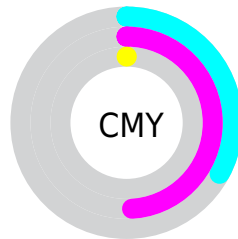
- Red (67%)
- Green (51%)
- Blue (100%)



- Red (67%)
- Yellow (51%)
- Blue (100%)



- Cyan (33%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2233, 0.2482, 0.1852 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 32.2233, 0.2482, 0.1852 by changing the saturation by 10% instead.


 32.2233, 0.2482,
0.1852


 32.2233, 0.2482,
0.1852


312.1352, 0.2827,
0.2519

 21.5321, 0.2394,
0.1705

 63.1610, 0.2610,
0.2080

 13.5135, 0.2281,
0.1529


 84.1763, 0.2657,
0.2170

 7.7831, 0.2133,
0.1315


 109.4017, 0.2697,
0.2248

 3.9565, 0.1932,
0.1056

139.2217, 0.2731,
0.2316

 1.6492, 0.1656,
0.0746

174.0207, 0.2760,
0.2376

 0.3905, 0.1278,
0.0330

214.1830, 0.2785,


 0.0000, 0.0599,


0.2429


0.0000


260.0930, 0.2807,
0.2476

 0.0000, 0.0000,
0.0000

 32.2233, 0.2482,
0.1852


 32.2233, 0.2482,
0.1852


 24.3864, 0.2314,
0.1539


 41.9907, 0.2643,
0.2175

 18.3487, 0.2146,
0.1255


 53.8146, 0.2791,
0.2493

 13.9554, 0.1988,
0.1018

 67.8054, 0.2924,
0.2793

 11.0259, 0.1850,
0.0844

 84.0666, 0.3040,
0.3071

 9.3064, 0.1738,
0.0735

100.0000, 0.3127,
0.3290

■ 9.1203, 0.1724,
0.0723

Harmonies

Analogous

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



32.2233, 0.1769, 0.1739



32.2233, 0.2482, 0.1852



32.2233, 0.3541, 0.2226

Triad

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



32.2233, 0.2482, 0.1852



32.2233, 0.5083, 0.4225



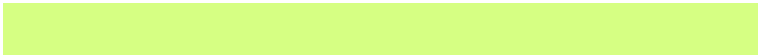
32.2233, 0.1738, 0.3613

Complementary

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



32.2233, 0.2482, 0.1852



87.4528, 0.3560, 0.4607

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.



32.2233, 0.2478, 0.4858



32.2233, 0.2482, 0.1852



32.2233, 0.4397, 0.4959

Square

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



32.2233, 0.2482, 0.1852



32.2233, 0.5231, 0.3486



32.2233, 0.3453, 0.5356



32.2233, 0.1398, 0.2522

Rectangle

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



32.2233, 0.2482, 0.1852



32.2233, 0.4303, 0.2594



32.2233, 0.3453, 0.5356



32.2233, 0.1943, 0.4053

Sweetspot

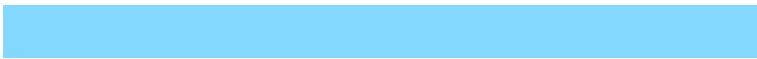
The Sweet Spot groups the original color and five complimentary colors.



32.2220, 0.2482, 0.1852



73.4409, 0.2968, 0.2897



61.0188, 0.2396, 0.2818



15.0110, 0.2943, 0.2837



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.



32.2220, 0.2482, 0.1852



24.8256, 0.2325, 0.1558



40.6510, 0.2984, 0.2038



17.6695, 0.3031, 0.3048



4.8377, 0.1739, 0.0732



0.5277, 0.1861, 0.0799

Inverse Universe

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



42.3451, 0.3567, 0.2457



36.2567, 0.3688, 0.2319



80.0018, 0.3177, 0.4784



18.1922, 0.3189, 0.3132



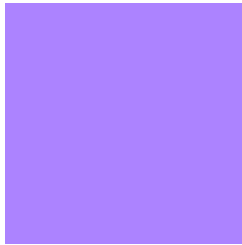
12.6673, 0.4267, 0.2124



1.2536, 0.4115, 0.2040

Previews

White Background



This preview shows how the Yxy color 32.2233, 0.2482, 0.1852 looks on a white background.

Color Contrast Check

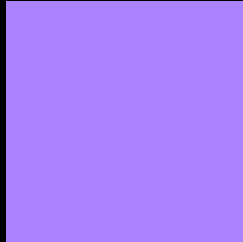
Large Text (above 18pt) WCAG AA × Fail

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 32.2233, 0.2482, 0.1852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

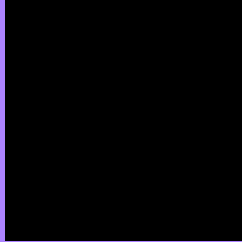
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2233, 0.2482, 0.1852

Background



This preview shows how black text looks on a background with the Yxy color 32.2233, 0.2482, 0.1852.



This preview shows how white text looks on a background with the Yxy color 32.2233, 0.2482, 0.1852.

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

32.2233, 0.2482, 0.1852

Protanopia

32.6682, 0.2125, 0.1953

Deuteranopia

32.4462, 0.2084, 0.2016



Tritanopia

32.0068, 0.3037, 0.3110

Trichromacy



Original Color

32.2233, 0.2482, 0.1852

Protanomaly

32.1531, 0.2235, 0.1906

Deuteranomaly

31.7970, 0.2194, 0.1937

Tritanomaly

31.5548, 0.2816, 0.2557

Monochromacy



Original Color

32.2233, 0.2482, 0.1852

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.7114, 0.2861, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2233, 0.2482, 0.1852 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(172, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 131, 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(172, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.2233, 0.2482, 0.1852 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(172, 131, 255) }
```

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

```
.border{ border-color:rgb(172, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2233, 0.2482, 0.1852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 131, 255) }
```

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

```
.background{ background-color: rgb(172,  
131, 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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