

Converting Colors

$Y_{xy}(33.7922, 0.2448, 0.1924)$

Have a look what the booklet for
Yxy(33.7922, 0.2448, 0.1924)
contains.

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Color

Yxy(33.7922, 0.2448, 0.1924)

Conversions

Conversions Part 1

Format	Color
Hex	A68BFF
RGB	166, 139, 255
RGB Percent	65%, 55%, 100%
CMY	0.3493, 0.4548, 0.0001
CMYK	0.35, 0.45, 0.00, 0.00
HSL	254°, 100%, 77%
HSV	254°, 45%, 100%
XYZ	42.9955, 33.7922, 98.8475
YIQ	160.2970, -21.1440, 41.8000

Conversions

Conversions Part 2

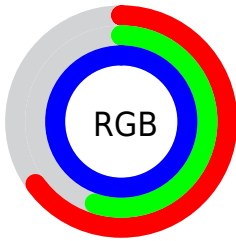
Format	Color
RYB	166, 139, 255
Decimal	10914815
CIELab	64.80, 35.56, -54.35
CIELCh	65, 64.950, 303.195
Yxy	33.7922, 0.2448, 0.1924
Android (android.graphics.Color)	4289104895 (0xFFA68BFF)
YUV	160.2970, 46.6886, 5.0015
Hunter-Lab	58.1311, 30.2946, -60.1264

Details

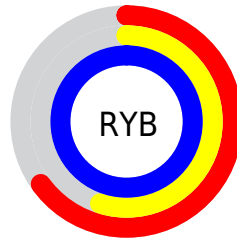
The Yxy color **33.7922, 0.2448, 0.1924** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.8793, 0.3617, 0.4488**, and the grayscale version is **35.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2072, 0.2926, 0.2639**, and **14.3717, 0.2244, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **25.2921, 0.2263, 0.1593**, and if you desaturate by 10%, it is **44.3387, 0.2626, 0.2258**.

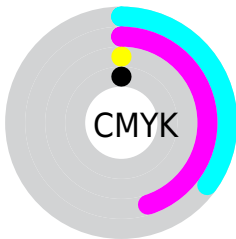
Distribution



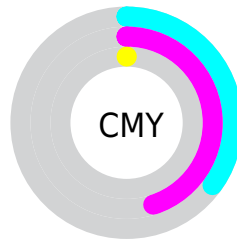
- Red (65%)
- Green (55%)
- Blue (100%)



- Red (65%)
- Yellow (55%)
- Blue (100%)



- Cyan (35%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7922, 0.2448, 0.1924 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 33.7922, 0.2448, 0.1924 by changing the saturation by 10% instead.

 33.7922, 0.2448,
0.1924


 33.7922, 0.2448,
0.1924


319.2045, 0.2804,
0.2561


 22.7340, 0.2358,
0.1783


 65.6104, 0.2579,
0.2143

 14.3972, 0.2244,
0.1612


 87.1392, 0.2628,
0.2229

 8.3975, 0.2095,
0.1403


 112.9270, 0.2669,
0.2303

 4.3503, 0.1895,
0.1147

143.3581, 0.2704,
0.2368

 1.8714, 0.1620,
0.0836

178.8171, 0.2734,
0.2425

 0.5311, 0.1242,
0.0442

219.6882, 0.2761,


 0.0000, 0.0572,

0.2476


0.0000


266.3558, 0.2784,
0.2521


 0.0000, 0.0000,
0.0000


 33.7922, 0.2448,
0.1924


 33.7922, 0.2448,
0.1924


 25.2921, 0.2263,
0.1593


 44.3387, 0.2626,
0.2258


 18.6988, 0.2079,
0.1285


 57.0512, 0.2790,
0.2581

 13.8605, 0.1908,
0.1022

 72.0445, 0.2936,
0.2881

 10.6001, 0.1763,
0.0823

 89.4240, 0.3064,
0.3153

 8.7007, 0.1652,
0.0699

99.9988, 0.3127,
0.3290

■ 8.1536, 0.1613,
0.0662

Harmonies

Analogous

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



33.7922, 0.1813, 0.1849



33.7922, 0.2448, 0.1924



33.7922, 0.3399, 0.2253

Triad

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



33.7922, 0.2448, 0.1924



33.7922, 0.4988, 0.4119



33.7922, 0.1906, 0.3720

Complementary

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



33.7922, 0.2448, 0.1924



89.8793, 0.3617, 0.4488

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.



33.7922, 0.2638, 0.4792



33.7922, 0.2448, 0.1924



33.7922, 0.4413, 0.4791

Square

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



33.7922, 0.2448, 0.1924



33.7922, 0.5032, 0.3427



33.7922, 0.3556, 0.5168



33.7922, 0.1534, 0.2685

Rectangle

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



33.7922, 0.2448, 0.1924



33.7922, 0.4097, 0.2589



33.7922, 0.3556, 0.5168



33.7922, 0.2114, 0.4111

Sweetspot

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



33.7934, 0.2448, 0.1924



74.4657, 0.2956, 0.2923



69.2255, 0.2464, 0.2995



15.1875, 0.2927, 0.2861



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.



33.7934, 0.2448, 0.1924



25.6547, 0.2271, 0.1608



41.2432, 0.2898, 0.2081



17.5811, 0.3015, 0.3047



4.3165, 0.1625, 0.0669



0.4671, 0.1731, 0.0727

Inverse Universe

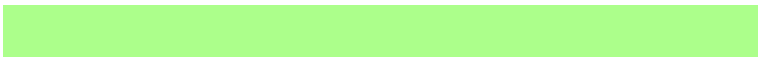
The Inverse Universe completely reimagines the original color for something new.



45.3366, 0.3419, 0.2403



38.7630, 0.3501, 0.2240



82.1304, 0.3247, 0.4645



18.2240, 0.3174, 0.3109



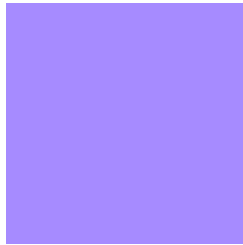
13.2114, 0.3901, 0.1923



1.3030, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 33.7922, 0.2448, 0.1924 looks on a white background.

Color Contrast Check

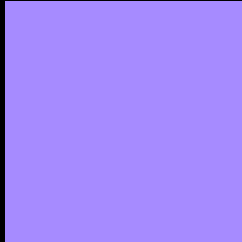
Large Text (above 18pt) WCAG AA × Fail

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 33.7922, 0.2448, 0.1924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

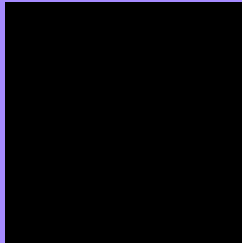
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7922, 0.2448, 0.1924

Background



This preview shows how black text looks on a background with the Yxy color 33.7922, 0.2448, 0.1924.



This preview shows how white text looks on a background with the Yxy color 33.7922, 0.2448, 0.1924.

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

33.7922, 0.2448, 0.1924

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

33.9625, 0.2125, 0.2058



Tritanopia

33.6899, 0.2921, 0.3095

Trichromacy



Original Color

33.7922, 0.2448, 0.1924

Protanomaly

33.8658, 0.2258, 0.1972

Deuteranomaly

33.2766, 0.2221, 0.1994

Tritanomaly

33.3660, 0.2731, 0.2585

Monochromacy



Original Color

33.7922, 0.2448, 0.1924

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.0780, 0.2847, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7922, 0.2448, 0.1924 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(166, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 139, 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(166, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.7922, 0.2448, 0.1924 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(166, 139, 255) }
```

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

```
.border{ border-color:rgb(166, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7922, 0.2448, 0.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 139, 255) }
```

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

```
.background{ background-color: rgb(166,  
139, 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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