

Converting Colors

$Y_{xy}(33.6618, 0.2373, 0.1936)$

Have a look what the booklet for
Yxy(33.6618, 0.2373, 0.1936)
contains.

Yxy(33.8335, 0.2376, 0.1942)	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(33.8335, 0.2376, 0.1942)

Conversions

Conversions Part 1

Format	Color
Hex	9B8FFF
RGB	155, 143, 255
RGB Percent	61%, 56%, 100%
CMY	0.3922, 0.4392, 0.0000
CMYK	0.39, 0.44, 0.00, 0.00
HSL	246°, 100%, 78%
HSV	246°, 44%, 100%
XYZ	41.3946, 33.8335, 98.9917
YIQ	159.3560, -28.8000, 37.3760

Conversions

Conversions Part 2

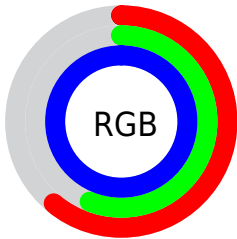
Format	Color
RYB	155, 143, 255
Decimal	10194943
CIELab	64.83, 30.59, -54.39
CIELCh	65, 62.402, 299.358
Yxy	33.8335, 0.2376, 0.1942
Android (android.graphics.Color)	4288385023 (0xFF9B8FFF)
YUV	159.3560, 47.1525, -3.8202
Hunter-Lab	58.1666, 25.2393, -60.1871

Details

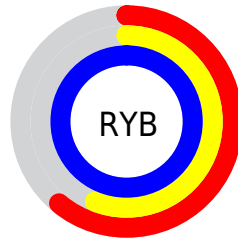
The Yxy color **33.8335, 0.2376, 0.1942** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.5571, 0.3699, 0.4408**, and the grayscale version is **34.6305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2986, 0.2849, 0.2668**, and **14.5026, 0.2154, 0.1632** is the 20% darker color. If you saturate the color by 10%, you get **24.9826, 0.2172, 0.1595**, and if you desaturate by 10%, it is **44.8458, 0.2575, 0.2289**.

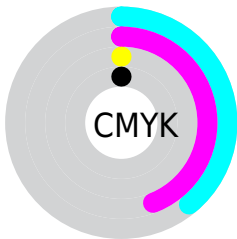
Distribution



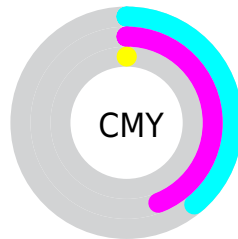
- Red (61%)
- Green (56%)
- Blue (100%)



- Red (61%)
- Yellow (56%)
- Blue (100%)



- Cyan (39%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8335, 0.2376, 0.1942 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 33.8335, 0.2376, 0.1942 by changing the saturation by 10% instead.

 33.8335, 0.2376,
0.1942


 33.8335, 0.2376,
0.1942


319.3890, 0.2765,
0.2575

 22.7657, 0.2279,
0.1801


 65.6747, 0.2518,
0.2160

 14.4206, 0.2157,
0.1630

 87.2168, 0.2571,
0.2246

 8.4138, 0.1998,
0.1420

113.0193, 0.2616,
0.2319

 4.3608, 0.1787,
0.1163

143.4663, 0.2655,
0.2384

 1.8774, 0.1501,
0.0848

178.9425, 0.2688,
0.2440

 0.5347, 0.1116,
0.0450

219.8320, 0.2717,

 0.0000, 0.0368,

0.2490

0.0000

266.5194, 0.2742,
0.2535

0.0000, 0.0000,
0.0000

33.8335, 0.2376,
0.1942

33.8335, 0.2376,
0.1942

24.9826, 0.2172,
0.1595

44.8458, 0.2575,
0.2289

18.1542, 0.1975,
0.1269

58.1544, 0.2761,
0.2619

13.1863, 0.1799,
0.0991

73.8776, 0.2928,
0.2921

9.8932, 0.1659,
0.0784

92.1270, 0.3075,
0.3193

8.0506, 0.1565,
0.0658

100.0000, 0.3127,
0.3290

■ 7.4575, 0.1529,
0.0616

Harmonies

Analogous

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



33.8335, 0.1800, 0.1905



33.8335, 0.2376, 0.1942



33.8335, 0.3262, 0.2233

Triad

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



33.8335, 0.2376, 0.1942



33.8335, 0.4964, 0.4019



33.8335, 0.2024, 0.3849

Complementary

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



33.8335, 0.2376, 0.1942



92.5571, 0.3699, 0.4408

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.



33.8335, 0.2771, 0.4817



33.8335, 0.2376, 0.1942



33.8335, 0.4469, 0.4674

Square

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



33.8335, 0.2376, 0.1942



33.8335, 0.4918, 0.3349



33.8335, 0.3665, 0.5081



33.8335, 0.1611, 0.2820

Rectangle

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



33.8335, 0.2376, 0.1942



33.8335, 0.3936, 0.2546



33.8335, 0.3665, 0.5081



33.8335, 0.2241, 0.4216

Sweetspot

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



33.8320, 0.2376, 0.1942



75.4553, 0.2942, 0.2948



77.6400, 0.2510, 0.3161



15.3510, 0.2907, 0.2884



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.



33.8320, 0.2376, 0.1942



25.7127, 0.2191, 0.1626



40.5943, 0.2800, 0.2085



17.4709, 0.2995, 0.3045



3.9266, 0.1536, 0.0620



0.4114, 0.1605, 0.0658

Inverse Universe

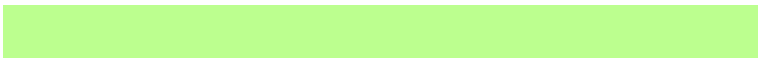
The Inverse Universe completely reimagines the original color for something new.



47.3744, 0.3280, 0.2311



40.9789, 0.3318, 0.2133



84.1687, 0.3327, 0.4560



18.2648, 0.3155, 0.3080



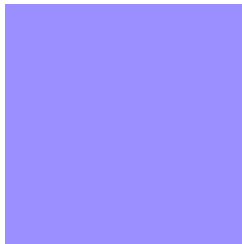
14.0397, 0.3500, 0.1702



1.3762, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 33.8335, 0.2376, 0.1942 looks on a white background.

Color Contrast Check

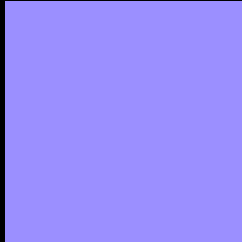
Large Text (above 18pt) WCAG AA × Fail

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 33.8335, 0.2376, 0.1942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

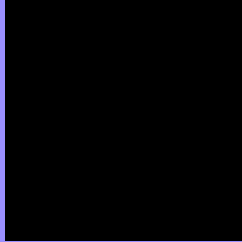
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8335, 0.2376, 0.1942

Background



This preview shows how black text looks on a background with the Yxy color 33.8335, 0.2376, 0.1942.



This preview shows how white text looks on a background with the Yxy color 33.8335, 0.2376, 0.1942.

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

33.8335, 0.2376, 0.1942

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

33.9670, 0.2116, 0.2048



Tritanopia

33.7800, 0.2795, 0.3091

Trichromacy



Original Color

33.8335, 0.2376, 0.1942

Protanomaly

33.8580, 0.2237, 0.1977

Deuteranomaly

33.6133, 0.2194, 0.2002

Tritanomaly

33.2626, 0.2628, 0.2597

Monochromacy



Original Color

33.8335, 0.2376, 0.1942

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9466, 0.2820, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8335, 0.2376, 0.1942 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(155, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(155, 143, 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(155, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.8335, 0.2376, 0.1942 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(155, 143, 255) }
```

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

```
.border{ border-color:rgb(155, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(155, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8335, 0.2376, 0.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 143, 255) }
```

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

```
.background{ background-color: rgb(155,  
143, 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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