

Converting Colors

$Y_{xy}(34.1028, 0.2349, 0.1960)$

Have a look what the booklet for
Yxy(34.1028, 0.2349, 0.1960)
contains.

Yxy(33.9548, 0.2346, 0.1955)	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(33.9548, 0.2346, 0.1955)

Conversions

Conversions Part 1

Format	Color
Hex	9691FF
RGB	150, 145, 255
RGB Percent	59%, 57%, 100%
CMY	0.4118, 0.4313, 0.0001
CMYK	0.41, 0.43, 0.00, 0.00
HSL	243°, 100%, 78%
HSV	243°, 43%, 100%
XYZ	40.7458, 33.9548, 98.9813
YIQ	159.0350, -32.3300, 35.2700

Conversions

Conversions Part 2

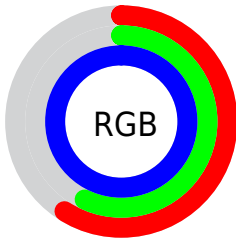
Format	Color
R_{YB}	150, 145, 255
Decimal	9867775
CIE _{Lab}	64.93, 28.19, -54.21
CIE _{LCh}	65, 61.104, 297.470
Yxy	33.9548, 0.2346, 0.1955
Android (android.graphics.Color)	4288057855 (0xFF9691FF)
YUV	159.0350, 47.3107, -7.9237
Hunter-Lab	58.2707, 22.8421, -59.9231

Details

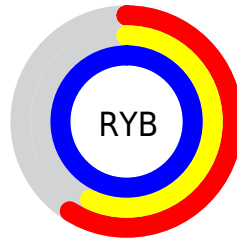
The Yxy color **33.9548, 0.2346, 0.1955** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.8626, 0.3737, 0.4369**, and the grayscale version is **34.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4767, 0.2816, 0.2684**, and **14.5888, 0.2121, 0.1646** is the 20% darker color. If you saturate the color by 10%, you get **24.9438, 0.2134, 0.1601**, and if you desaturate by 10%, it is **45.1960, 0.2555, 0.2307**.

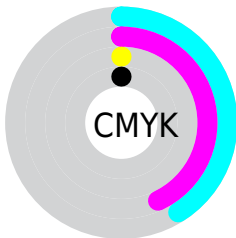
Distribution



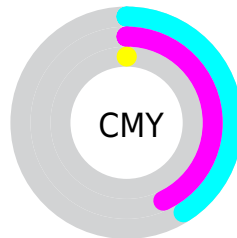
- Red (59%)
- Green (57%)
- Blue (100%)



- Red (59%)
- Yellow (57%)
- Blue (100%)



- Cyan (41%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9548, 0.2346, 0.1955 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 33.9548, 0.2346, 0.1955 by changing the saturation by 10% instead.


 33.9548, 0.2346,
0.1955


 33.9548, 0.2346,
0.1955


319.9305, 0.2748,
0.2583

 22.8589, 0.2247,
0.1814


 65.8634, 0.2492,
0.2172

 14.4893, 0.2121,
0.1643


 87.4448, 0.2547,
0.2257

 8.4618, 0.1958,
0.1434


113.2902, 0.2594,
0.2330

 4.3918, 0.1744,
0.1176

143.7840, 0.2634,
0.2394

 1.8951, 0.1454,
0.0860

179.3105, 0.2668,
0.2450

 0.5454, 0.1067,
0.0461

220.2541, 0.2698,


 0.0000, 0.0282,


0.2500


0.0000


266.9993, 0.2725,
0.2544

 0.0000, 0.0000,
0.0000


 33.9548, 0.2346,
0.1955


 33.9548, 0.2346,
0.1955

 24.9438, 0.2134,
0.1601


 45.1960, 0.2555,
0.2307


 18.0112, 0.1932,
0.1268


 58.7986, 0.2750,
0.2640

 12.9919, 0.1757,
0.0984

 74.8878, 0.2927,
0.2943

 9.6940, 0.1623,
0.0773

 93.5791, 0.3083,
0.3213

 7.8860, 0.1539,
0.0648

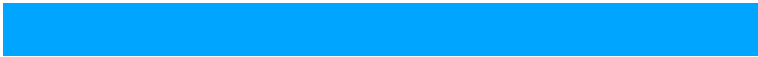
99.9975, 0.3127,
0.3290

■ 7.2924, 0.1509,
0.0605

Harmonies

Analogous

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



33.9548, 0.1799, 0.1937



33.9548, 0.2346, 0.1955



33.9548, 0.3200, 0.2227

Triad

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



33.9548, 0.2346, 0.1955



33.9548, 0.4944, 0.3971



33.9548, 0.2084, 0.3905

Complementary

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



33.9548, 0.2346, 0.1955



93.8626, 0.3737, 0.4369

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.



33.9548, 0.2836, 0.4819



33.9548, 0.2346, 0.1955



33.9548, 0.4490, 0.4616

Square

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



33.9548, 0.2346, 0.1955



33.9548, 0.4856, 0.3312



33.9548, 0.3715, 0.5033



33.9548, 0.1653, 0.2887

Rectangle

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



33.9548, 0.2346, 0.1955



33.9548, 0.3858, 0.2528



33.9548, 0.3715, 0.5033



33.9548, 0.2306, 0.4258

Sweetspot

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



33.9560, 0.2346, 0.1955



75.1264, 0.2929, 0.2946



82.4188, 0.2534, 0.3247



15.2712, 0.2891, 0.2882



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.



33.9560, 0.2346, 0.1955



25.8575, 0.2158, 0.1640



40.2616, 0.2748, 0.2088



17.4169, 0.2985, 0.3045



3.8284, 0.1513, 0.0607



0.3859, 0.1545, 0.0625

Inverse Universe

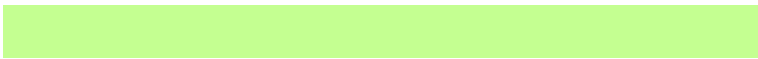
The Inverse Universe completely reimagines the original color for something new.



48.4098, 0.3218, 0.2271



42.1173, 0.3239, 0.2087



85.3197, 0.3372, 0.4516



18.2853, 0.3145, 0.3066



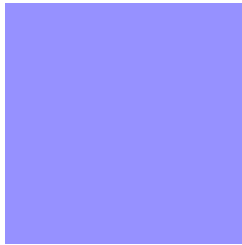
14.5111, 0.3326, 0.1606



1.4171, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 33.9548, 0.2346, 0.1955 looks on a white background.

Color Contrast Check

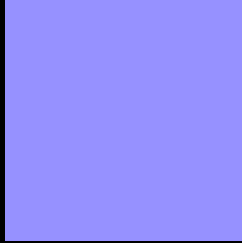
Large Text (above 18pt) WCAG AA × Fail

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 33.9548, 0.2346, 0.1955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

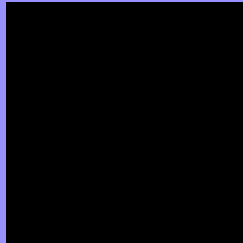
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9548, 0.2346, 0.1955

Background



This preview shows how black text looks on a background with the Yxy color 33.9548, 0.2346, 0.1955.



This preview shows how white text looks on a background with the Yxy color 33.9548, 0.2346, 0.1955.

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

33.9548, 0.2346, 0.1955

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.3068, 0.2119, 0.2061



Tritanopia

34.0748, 0.2733, 0.3090

Trichromacy



Original Color

33.9548, 0.2346, 0.1955

Protanomaly

34.0203, 0.2228, 0.1985

Deuteranomaly

33.7963, 0.2186, 0.2011

Tritanomaly

33.5031, 0.2572, 0.2593

Monochromacy



Original Color

33.9548, 0.2346, 0.1955

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.0742, 0.2804, 0.2729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9548, 0.2346, 0.1955 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(150, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 145, 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(150, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9548, 0.2346, 0.1955 is called "border". The border property can be set on classes, ids or directly on the HTML element.

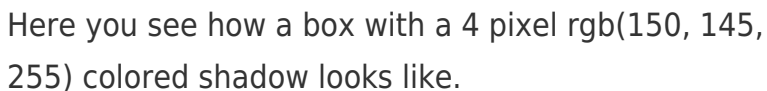
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 145, 255) }
```

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

```
.border{ border-color:rgb(150, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9548, 0.2346, 0.1955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 145, 255) }
```

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

```
.background{ background-color: rgb(150,  
145, 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