

Converting Colors

$Y_{xy}(34.0225, 0.2376, 0.2017)$

Have a look what the booklet for
Yxy(34.0225, 0.2376, 0.2017)
contains.

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Color

Yxy(33.9439, 0.2374, 0.2009)

Conversions

Conversions Part 1

Format	Color
Hex	9692FA
RGB	150, 146, 250
RGB Percent	59%, 57%, 98%
CMY	0.4119, 0.4274, 0.0195
CMYK	0.40, 0.42, 0.00, 0.02
HSL	242°, 91%, 78%
HSV	242°, 42%, 98%
XYZ	40.1109, 33.9439, 94.9044
YIQ	159.0520, -31.0000, 33.1920

Conversions

Conversions Part 2

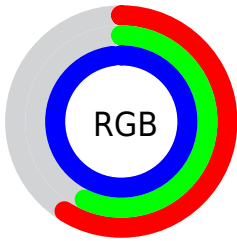
Format	Color
RYB	150, 146, 250
Decimal	9868026
CIELab	64.92, 26.26, -51.53
CIELCh	65, 57.836, 296.999
Yxy	33.9439, 0.2374, 0.2009
Android (android.graphics.Color)	4288058106 (0xFF9692FA)
YUV	159.0520, 44.8374, -7.9386
Hunter-Lab	58.2614, 20.9335, -55.7969

Details

The Yxy color **33.9439, 0.2374, 0.2009** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.0704, 0.3722, 0.4331**, and the grayscale version is **34.4968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9384, 0.2816, 0.2695**, and **14.5957, 0.2160, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **25.0092, 0.2161, 0.1653**, and if you desaturate by 10%, it is **45.0346, 0.2582, 0.2359**.

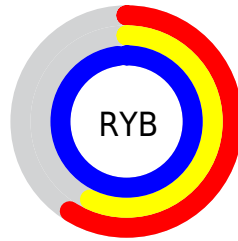
Distribution



Red (59%)

Green (57%)

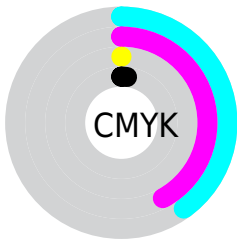
Blue (98%)



Red (59%)

Yellow (57%)

Blue (98%)

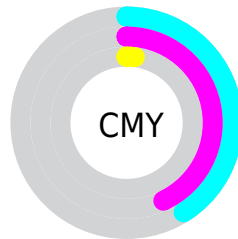


Cyan (40%)

Magenta (42%)

Yellow (0%)

Black (2%)



Cyan (41%)


Magenta (43%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9439, 0.2374, 0.2009 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 33.9439, 0.2374, 0.2009 by changing the saturation by 10% instead.


 33.9439, 0.2374,
0.2009


 33.9439, 0.2374,
0.2009

319.8818, 0.2763,
0.2617

 22.8505, 0.2277,
0.1871


 65.8464, 0.2516,
0.2220

 14.4832, 0.2155,
0.1703


 87.4243, 0.2569,
0.2302

 8.4575, 0.1995,
0.1496

113.2659, 0.2614,
0.2373

 4.3890, 0.1783,
0.1237

143.7554, 0.2652,
0.2435

 1.8935, 0.1494,
0.0916

179.2774, 0.2686,
0.2489

 0.5445, 0.1101,
0.0500

220.2162, 0.2715,

 0.0000, 0.0219,

0.2536

0.0000

266.9562, 0.2740,
0.2579

0.0000, 0.0000,
0.0000

33.9439, 0.2374,
0.2009

33.9439, 0.2374,
0.2009

25.0092, 0.2161,
0.1653

45.0346, 0.2582,
0.2359

18.0871, 0.1956,
0.1315

58.4051, 0.2776,
0.2688

13.0223, 0.1776,
0.1022

74.1741, 0.2950,
0.2986

9.6355, 0.1636,
0.0799

92.4510, 0.3104,
0.3251

7.7119, 0.1546,
0.0660

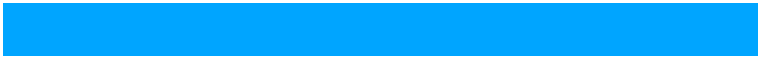
99.6840, 0.3156,
0.3337

■ 6.9655, 0.1508,
0.0604

Harmonies

Analogous

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



33.9439, 0.1850, 0.1998



33.9439, 0.2374, 0.2009



33.9439, 0.3185, 0.2268

Triad

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



33.9439, 0.2374, 0.2009



33.9439, 0.4861, 0.3946



33.9439, 0.2147, 0.3889

Complementary

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



33.9439, 0.2374, 0.2009



90.0704, 0.3722, 0.4331

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.



33.9439, 0.2872, 0.4735



33.9439, 0.2374, 0.2009



33.9439, 0.4445, 0.4557

Square

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



33.9439, 0.2374, 0.2009



33.9439, 0.4759, 0.3312



33.9439, 0.3712, 0.4939



33.9439, 0.1723, 0.2928

Rectangle

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



33.9439, 0.2374, 0.2009



33.9439, 0.3807, 0.2556



33.9439, 0.3712, 0.4939



33.9439, 0.2362, 0.4216

Sweetspot

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



33.9451, 0.2374, 0.2009



76.8452, 0.2944, 0.2975



79.2700, 0.2551, 0.3249



15.9581, 0.2922, 0.2938



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.



33.9451, 0.2374, 0.2009



27.4627, 0.2194, 0.1708



39.9489, 0.2765, 0.2135



16.6745, 0.2985, 0.3045



3.7075, 0.1511, 0.0606



0.3541, 0.1539, 0.0622

Inverse Universe

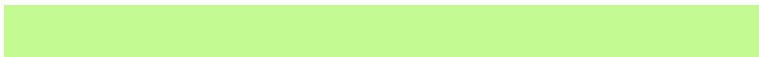
The Inverse Universe completely reimagines the original color for something new.



47.5474, 0.3208, 0.2299



43.4793, 0.3226, 0.2120



82.0079, 0.3365, 0.4468



17.5125, 0.3144, 0.3065



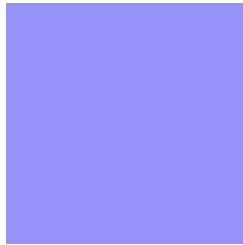
14.1377, 0.3307, 0.1595



1.3129, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 33.9439, 0.2374, 0.2009 looks on a white background.

Color Contrast Check

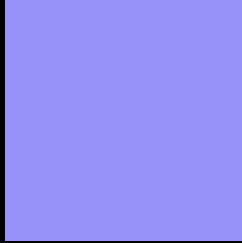
Large Text (above 18pt) WCAG AA × Fail

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 33.9439, 0.2374, 0.2009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

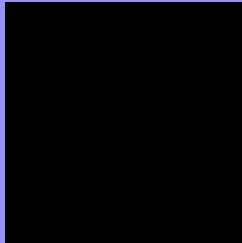
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9439, 0.2374, 0.2009

Background



This preview shows how black text looks on a background with the Yxy color 33.9439, 0.2374, 0.2009.



This preview shows how white text looks on a background with the Yxy color 33.9439, 0.2374, 0.2009.

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

33.9439, 0.2374, 0.2009

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.0794, 0.2161, 0.2093



Tritanopia

33.8413, 0.2755, 0.3090

Trichromacy



Original Color

33.9439, 0.2374, 0.2009

Protanomaly

33.8922, 0.2237, 0.2003

Deuteranomaly

33.8330, 0.2226, 0.2054

Tritanomaly

33.5302, 0.2607, 0.2633

Monochromacy



Original Color

33.9439, 0.2374, 0.2009

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9849, 0.2819, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9439, 0.2374, 0.2009 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, 146, 250)` looks like.

```
.text, #text, p{  
    color:rgb(150, 146, 250)  
}
```

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, 146, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 146, 250) }
```

Border

The CSS property to change the border of an element to Yxy 33.9439, 0.2374, 0.2009 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, 146, 250) }
```

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

```
.border{ border-color:rgb(150, 146, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 146, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 146, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 146, 250);  
box-shadow:4px 4px 4px 4px rgb(150, 146,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9439, 0.2374, 0.2009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 146, 250) }
```

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

```
.background{ background-color: rgb(150,  
146, 250) }
```

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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