

Converting Colors

$Y_{xy}(32.7322, 0.2367, 0.1961)$

Have a look what the booklet for
Yxy(32.7322, 0.2367, 0.1961)
contains.

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Color

Yxy(32.7322, 0.2367, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	968EFA
RGB	150, 142, 250
RGB Percent	59%, 56%, 98%
CMY	0.4116, 0.4432, 0.0196
CMYK	0.40, 0.43, 0.00, 0.02
HSL	244°, 92%, 77%
HSV	244°, 43%, 98%
XYZ	39.5090, 32.7322, 94.6747
YIQ	156.7040, -29.9000, 35.2840

Conversions

Conversions Part 2

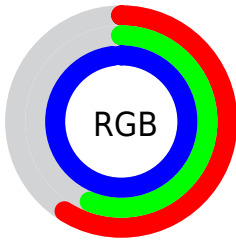
Format	Color
R _Y B	150, 142, 250
Decimal	9867002
CIE Lab	63.94, 28.57, -53.06
CIE LCh	64, 60.262, 298.302
Yxy	32.7322, 0.2367, 0.1961
Android (android.graphics.Color)	4288057082 (0xFF968EFA)
YUV	156.7040, 45.9949, -5.8794
Hunter-Lab	57.2121, 23.1458, -58.0648

Details

The Yxy color **32.7322, 0.2367, 0.1961** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.1925, 0.3715, 0.4379**, and the grayscale version is **33.3794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1098, 0.2814, 0.2651**, and **13.8317, 0.2140, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **24.1271, 0.2159, 0.1610**, and if you desaturate by 10%, it is **43.4411, 0.2571, 0.2310**.

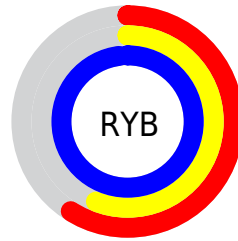
Distribution



Red (59%)

Green (56%)

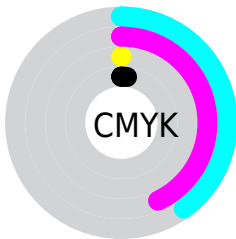
Blue (98%)



Red (59%)

Yellow (56%)

Blue (98%)

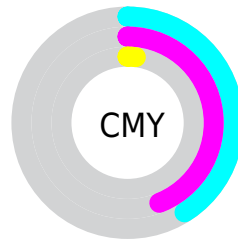


Cyan (40%)

Magenta (43%)

Yellow (0%)

Black (2%)



Cyan (41%)


Magenta (44%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7322, 0.2367, 0.1961 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 32.7322, 0.2367, 0.1961 by changing the saturation by 10% instead.


 32.7322, 0.2367,
0.1961


 32.7322, 0.2367,
0.1961


314.4413, 0.2762,
0.2591


 21.9214, 0.2268,
0.1819


 63.9572, 0.2511,
0.2179

 13.7991, 0.2143,
0.1646


 85.1402, 0.2566,
0.2265

 7.9811, 0.1980,
0.1433


 110.5493, 0.2611,
0.2338

 4.0829, 0.1762,
0.1170

140.5690, 0.2650,
0.2402

 1.7200, 0.1466,
0.0847

175.5836, 0.2684,
0.2458

 0.4366, 0.1070,
0.0409

215.9776, 0.2713,

 0.0000, 0.0126,

0.2507


0.0000

262.1354, 0.2739,
0.2551


 0.0000, 0.0000,
0.0000


 32.7322, 0.2367,
0.1961

 32.7322, 0.2367,
0.1961

 24.1271, 0.2159,
0.1610


 43.4411, 0.2571,
0.2310


 17.4836, 0.1958,
0.1279


 56.3761, 0.2761,
0.2640


 12.6479, 0.1782,
0.0996

 71.6545, 0.2932,
0.2942

 9.4414, 0.1643,
0.0784

 89.3842, 0.3083,
0.3211

 7.6484, 0.1553,
0.0655

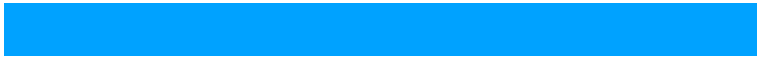
 99.6819, 0.3156,
0.3338

■ 7.0364, 0.1517,
0.0610

Harmonies

Analogous

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



32.7322, 0.1811, 0.1935



32.7322, 0.2367, 0.1961



32.7322, 0.3227, 0.2239

Triad

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



32.7322, 0.2367, 0.1961



32.7322, 0.4935, 0.3989



32.7322, 0.2069, 0.3874

Complementary

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



32.7322, 0.2367, 0.1961



89.1925, 0.3715, 0.4379

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.



32.7322, 0.2813, 0.4799



32.7322, 0.2367, 0.1961



32.7322, 0.4470, 0.4630

Square

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



32.7322, 0.2367, 0.1961



32.7322, 0.4864, 0.3330



32.7322, 0.3691, 0.5034



32.7322, 0.1648, 0.2864

Rectangle

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



32.7322, 0.2367, 0.1961



32.7322, 0.3884, 0.2543



32.7322, 0.3691, 0.5034



32.7322, 0.2287, 0.4228

Sweetspot

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



32.7334, 0.2367, 0.1961



75.2808, 0.2935, 0.2947



76.6318, 0.2526, 0.3205



15.3086, 0.2899, 0.2883



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.



32.7334, 0.2367, 0.1961



26.1644, 0.2182, 0.1650



38.9706, 0.2777, 0.2097



16.7047, 0.2990, 0.3045



3.7548, 0.1523, 0.0613



0.3685, 0.1576, 0.0642

Inverse Universe

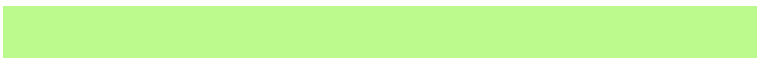
The Inverse Universe completely reimagines the original color for something new.



46.0765, 0.3246, 0.2297



41.8783, 0.3274, 0.2117



81.1147, 0.3348, 0.4526



17.5010, 0.3149, 0.3073



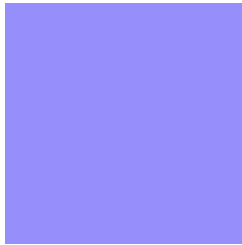
13.8624, 0.3406, 0.1650



1.2904, 0.3380, 0.1635

Previews

White Background



This preview shows how the Yxy color 32.7322, 0.2367, 0.1961 looks on a white background.

Color Contrast Check

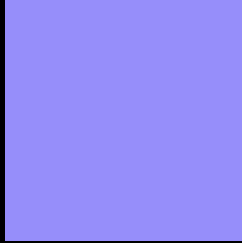
Large Text (above 18pt) WCAG AA × Fail

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 32.7322, 0.2367, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

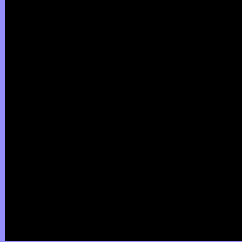
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7322, 0.2367, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 32.7322, 0.2367, 0.1961.



This preview shows how white text looks on a background with the Yxy color 32.7322, 0.2367, 0.1961.

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

32.7322, 0.2367, 0.1961

Protanopia

32.8639, 0.2140, 0.1958

Deuteranopia

32.9829, 0.2130, 0.2067



Tritanopia

32.6001, 0.2766, 0.3087

Trichromacy



Original Color

32.7322, 0.2367, 0.1961

Protanomaly

32.7073, 0.2212, 0.1959

Deuteranomaly

32.5119, 0.2200, 0.2017

Tritanomaly

32.3559, 0.2608, 0.2613

Monochromacy



Original Color

32.7322, 0.2367, 0.1961

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0881, 0.2808, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7322, 0.2367, 0.1961 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, 142, 250)` looks like.

```
.text, #text, p{  
    color:rgb(150, 142, 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, 142, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 142, 250) }
```

Border

The CSS property to change the border of an element to Yxy 32.7322, 0.2367, 0.1961 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, 142, 250) }
```

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

```
.border{ border-color:rgb(150, 142, 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, 142, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 142, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 142, 250);  
box-shadow:4px 4px 4px 4px rgb(150, 142,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7322, 0.2367, 0.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 142, 250) }
```

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

```
.background{ background-color: rgb(150,  
142, 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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