

Converting Colors

$Y_{xy}(33.8746, 0.2420, 0.1934)$

Have a look what the booklet for
Yxy(33.8746, 0.2420, 0.1934)
contains.

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Color

Yxy(33.9511, 0.2422, 0.1936)

Conversions

Conversions Part 1

Format	Color
Hex	A28DFF
RGB	162, 141, 255
RGB Percent	64%, 55%, 100%
CMY	0.3648, 0.4470, 0.0000
CMYK	0.36, 0.45, 0.00, 0.00
HSL	251°, 100%, 78%
HSV	251°, 45%, 100%
XYZ	42.4739, 33.9511, 98.9422
YIQ	160.2750, -24.0780, 39.9060

Conversions

Conversions Part 2

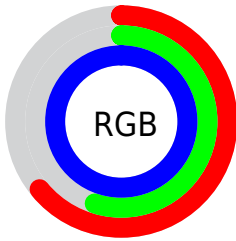
Format	Color
R _Y B	162, 141, 255
Decimal	10653183
CIE _{Lab}	64.92, 33.46, -54.19
CIE _{LCh}	65, 63.689, 301.688
Y _{xy}	33.9511, 0.2422, 0.1936
Android (android.graphics.Color)	4288843263 (0xFFA28DFF)
YUV	160.2750, 46.6994, 1.5128
Hunter-Lab	58.2676, 28.1487, -59.8911

Details

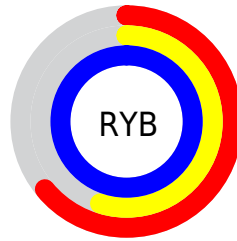
The Yxy color **33.9511, 0.2422, 0.1936** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.9410, 0.3647, 0.4452**, and the grayscale version is **35.0743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4659, 0.2898, 0.2655**, and **14.4537, 0.2214, 0.1616** is the 20% darker color. If you saturate the color by 10%, you get **25.2748, 0.2229, 0.1598**, and if you desaturate by 10%, it is **44.7182, 0.2608, 0.2276**.

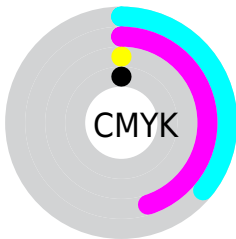
Distribution



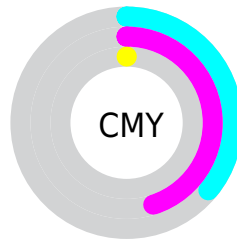
- Red (64%)
- Green (55%)
- Blue (100%)



- Red (64%)
- Yellow (55%)
- Blue (100%)



- Cyan (36%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9511, 0.2422, 0.1936 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 33.9511, 0.2422, 0.1936 by changing the saturation by 10% instead.


 33.9511, 0.2422,
0.1936


 33.9511, 0.2422,
0.1936


319.9140, 0.2790,
0.2569

 22.8560, 0.2330,
0.1795


 65.8576, 0.2557,
0.2154

 14.4872, 0.2213,
0.1625


 87.4379, 0.2607,
0.2239

 8.4603, 0.2060,
0.1416


 113.2820, 0.2650,
0.2313

 4.3909, 0.1857,
0.1160

143.7743, 0.2686,
0.2377

 1.8945, 0.1579,
0.0848

179.2993, 0.2717,
0.2434

 0.5451, 0.1198,
0.0454

220.2413, 0.2744,

 0.0000, 0.0506,

0.2484

0.0000

266.9847, 0.2768,
0.2529

■ 0.0000, 0.0000,
0.0000

■ 33.9511, 0.2422,
0.1936

■ 33.9511, 0.2422,
0.1936

■ 25.2748, 0.2229,
0.1598

■ 44.7182, 0.2608,
0.2276

■ 18.5522, 0.2039,
0.1282

■ 57.7026, 0.2780,
0.2601

■ 13.6279, 0.1865,
0.1012

■ 73.0196, 0.2935,
0.2901

■ 10.3226, 0.1721,
0.0808

■ 90.7764, 0.3070,
0.3173

■ 8.4184, 0.1614,
0.0681

100.0000, 0.3127,
0.3290

■ 7.8221, 0.1573,
0.0640

Harmonies

Analogous

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



33.9511, 0.1813, 0.1877



33.9511, 0.2422, 0.1936



33.9511, 0.3343, 0.2249

Triad

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



33.9511, 0.2422, 0.1936



33.9511, 0.4972, 0.4078



33.9511, 0.1958, 0.3770

Complementary

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



33.9511, 0.2422, 0.1936



90.9410, 0.3647, 0.4452

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.



33.9511, 0.2694, 0.4795



33.9511, 0.2422, 0.1936



33.9511, 0.4432, 0.4739

Square

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



33.9511, 0.2422, 0.1936



33.9511, 0.4979, 0.3396



33.9511, 0.3599, 0.5124



33.9511, 0.1570, 0.2742

Rectangle

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



33.9511, 0.2422, 0.1936



33.9511, 0.4028, 0.2575



33.9511, 0.3599, 0.5124



33.9511, 0.2169, 0.4149

Sweetspot

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



33.9508, 0.2422, 0.1936



75.8684, 0.2959, 0.2950



71.7867, 0.2482, 0.3046



15.4516, 0.2927, 0.2887



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.



33.9508, 0.2422, 0.1936



25.8192, 0.2243, 0.1621



41.3168, 0.2871, 0.2090



17.5384, 0.3007, 0.3046



4.1331, 0.1584, 0.0646



0.4435, 0.1678, 0.0698

Inverse Universe

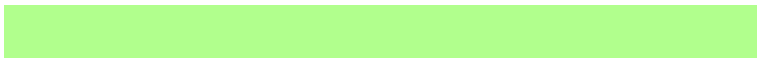
The Inverse Universe completely reimagines the original color for something new.



46.2542, 0.3362, 0.2369



39.7473, 0.3425, 0.2200



82.8027, 0.3269, 0.4610



18.2397, 0.3166, 0.3098



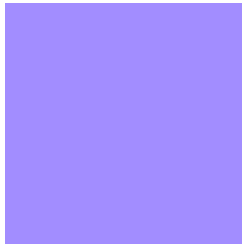
13.5115, 0.3739, 0.1833



1.3298, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 33.9511, 0.2422, 0.1936 looks on a white background.

Color Contrast Check

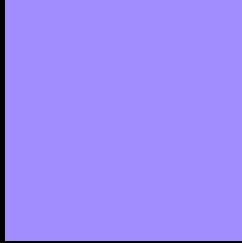
Large Text (above 18pt) WCAG AA × Fail

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 33.9511, 0.2422, 0.1936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

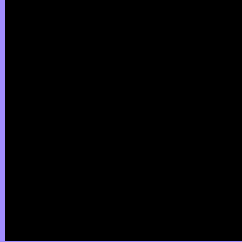
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9511, 0.2422, 0.1936

Background



This preview shows how black text looks on a background with the Yxy color 33.9511, 0.2422, 0.1936.



This preview shows how white text looks on a background with the Yxy color 33.9511, 0.2422, 0.1936.

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

33.9511, 0.2422, 0.1936

Protanopia

34.1131, 0.2169, 0.2003

Deuteranopia

34.3023, 0.2128, 0.2072



Tritanopia

34.0495, 0.2878, 0.3109

Trichromacy



Original Color

33.9511, 0.2422, 0.1936

Protanomaly

33.7014, 0.2246, 0.1968

Deuteranomaly

33.7698, 0.2215, 0.2016

Tritanomaly

33.6260, 0.2699, 0.2607

Monochromacy



Original Color

33.9511, 0.2422, 0.1936

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.2997, 0.2839, 0.2709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9511, 0.2422, 0.1936 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(162, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 141, 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(162, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.9511, 0.2422, 0.1936 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(162, 141, 255) }
```

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

```
.border{ border-color:rgb(162, 141, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 141, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9511, 0.2422, 0.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 141, 255) }
```

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

```
.background{ background-color: rgb(162,  
141, 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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