

Converting Colors

$Yxy(34.7185, 0.2441, 0.1962)$

Have a look what the booklet for
Yxy(34.7185, 0.2441, 0.1962)
contains.

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Color

Yxy(34.7574, 0.2440, 0.1964)

Conversions

Conversions Part 1

Format	Color
Hex	A48FFF
RGB	164, 143, 255
RGB Percent	64%, 56%, 100%
CMY	0.3568, 0.4392, 0.0000
CMYK	0.36, 0.44, 0.00, 0.00
HSL	251°, 100%, 78%
HSV	251°, 44%, 100%
XYZ	43.1813, 34.7574, 99.0338
YIQ	162.0470, -23.4360, 39.2840

Conversions

Conversions Part 2

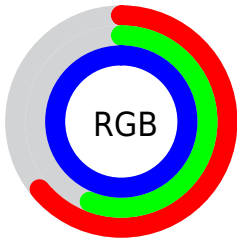
Format	Color
RYB	164, 143, 255
Decimal	10784767
CIELab	65.56, 32.83, -53.16
CIELCh	66, 62.477, 301.696
Yxy	34.7574, 0.2440, 0.1964
Android (android.graphics.Color)	4288974847 (0xFFA48FFF)
YUV	162.0470, 45.8258, 1.7128
Hunter-Lab	58.9554, 27.5686, -58.3271

Details

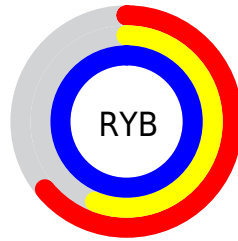
The Yxy color **34.7574, 0.2440, 0.1964** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.9897, 0.3637, 0.4433**, and the grayscale version is **35.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6821, 0.2913, 0.2679**, and **14.9197, 0.2236, 0.1651** is the 20% darker color. If you saturate the color by 10%, you get **25.9254, 0.2248, 0.1626**, and if you desaturate by 10%, it is **45.6908, 0.2625, 0.2302**.

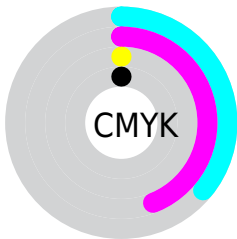
Distribution



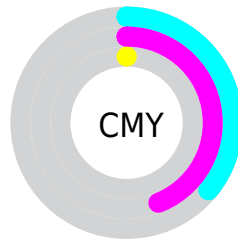
- Red (64%)
- Green (56%)
- Blue (100%)



- Red (64%)
- Yellow (56%)
- Blue (100%)



- Cyan (36%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7574, 0.2440, 0.1964 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 34.7574, 0.2440, 0.1964 by changing the saturation by 10% instead.

 34.7574, 0.2440,
0.1964

 34.7574, 0.2440,
0.1964


323.4962, 0.2797,
0.2584

 23.4761, 0.2350,
0.1826


 67.1098, 0.2571,
0.2177

 14.9454, 0.2237,
0.1658


 88.9496, 0.2620,
0.2261

 8.7811, 0.2089,
0.1453


115.0777, 0.2661,
0.2333

 4.5987, 0.1890,
0.1201

145.8785, 0.2697,
0.2396

 2.0138, 0.1619,
0.0890

181.7363, 0.2727,
0.2452

 0.6155, 0.1244,
0.0506

223.0356, 0.2754,

 0.0000, 0.0592,

0.2501

0.0000

270.1608, 0.2777,
0.2544

 0.0000, 0.0000,
0.0000

 34.7574, 0.2440,
0.1964


 34.7574, 0.2440,
0.1964


 25.9254, 0.2248,
0.1626


 45.6908, 0.2625,
0.2302


 19.0540, 0.2057,
0.1307


 58.8460, 0.2795,
0.2625

 13.9915, 0.1882,
0.1033

 74.3391, 0.2947,
0.2924

 10.5611, 0.1734,
0.0823

 92.2765, 0.3080,
0.3193

 8.5494, 0.1624,
0.0690

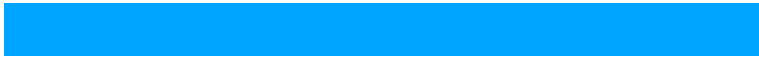
99.9995, 0.3127,
0.3290

■ 7.8435, 0.1576,
0.0642

Harmonies

Analogous

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



34.7574, 0.1841, 0.1907



34.7574, 0.2440, 0.1964



34.7574, 0.3339, 0.2272

Triad

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



34.7574, 0.2440, 0.1964



34.7574, 0.4931, 0.4070



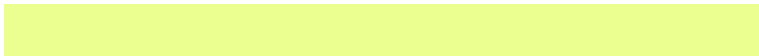
34.7574, 0.1986, 0.3758

Complementary

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



34.7574, 0.2440, 0.1964



90.9897, 0.3637, 0.4433

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.



34.7574, 0.2709, 0.4748



34.7574, 0.2440, 0.1964



34.7574, 0.4408, 0.4711

Square

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



34.7574, 0.2440, 0.1964



34.7574, 0.4931, 0.3401



34.7574, 0.3595, 0.5075



34.7574, 0.1604, 0.2759

Rectangle

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



34.7574, 0.2440, 0.1964



34.7574, 0.4006, 0.2592



34.7574, 0.3595, 0.5075



34.7574, 0.2194, 0.4125

Sweetspot

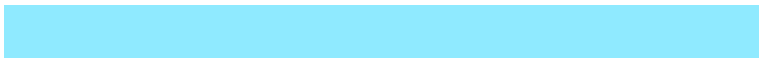
The Sweet Spot groups the original color and five complimentary colors.



34.7587, 0.2440, 0.1964



75.8877, 0.2960, 0.2950



72.1683, 0.2492, 0.3051



15.4563, 0.2928, 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.



34.7587, 0.2440, 0.1964



26.6542, 0.2265, 0.1656



42.0080, 0.2877, 0.2112



17.5416, 0.3008, 0.3046



4.1452, 0.1587, 0.0648



0.4452, 0.1682, 0.0700

Inverse Universe

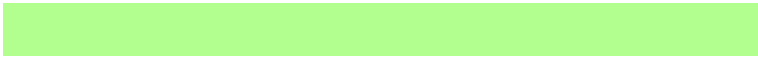
The Inverse Universe completely reimagines the original color for something new.



46.8449, 0.3360, 0.2388



40.3508, 0.3423, 0.2221



83.0189, 0.3268, 0.4584



18.2385, 0.3167, 0.3099



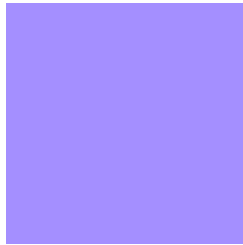
13.4884, 0.3750, 0.1840



1.3277, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 34.7574, 0.2440, 0.1964 looks on a white background.

Color Contrast Check

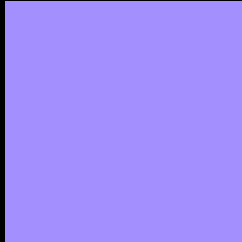
Large Text (above 18pt) WCAG AA × Fail

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 34.7574, 0.2440, 0.1964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

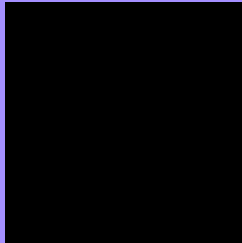
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7574, 0.2440, 0.1964

Background



This preview shows how black text looks on a background with the Yxy color 34.7574, 0.2440, 0.1964.



This preview shows how white text looks on a background with the Yxy color 34.7574, 0.2440, 0.1964.

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

34.7574, 0.2440, 0.1964

Protanopia

34.9900, 0.2190, 0.2034

Deuteranopia

34.9495, 0.2155, 0.2092



Tritanopia

34.6567, 0.2880, 0.3096

Trichromacy



Original Color

34.7574, 0.2440, 0.1964

Protanomaly

34.5875, 0.2269, 0.1998

Deuteranomaly

34.3999, 0.2240, 0.2035

Tritanomaly

34.1953, 0.2710, 0.2612

Monochromacy



Original Color

34.7574, 0.2440, 0.1964

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.2147, 0.2850, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7574, 0.2440, 0.1964 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(164, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7574, 0.2440, 0.1964 is called "border". The border property can be set on classes, ids or directly on the HTML element.

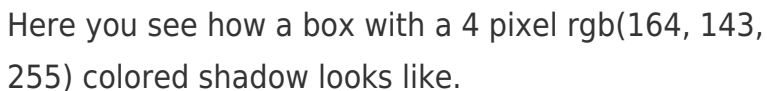
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(164, 143, 255) }
```

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

```
.border{ border-color:rgb(164, 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(164, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7574, 0.2440, 0.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 143, 255) }
```

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

```
.background{ background-color: rgb(164,  
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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