

Converting Colors

$Yxy(34.4422, 0.2441, 0.1951)$

Have a look what the booklet for
Yxy(34.4422, 0.2441, 0.1951)
contains.

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Color

Yxy(34.4585, 0.2438, 0.1953)

Conversions

Conversions Part 1

Format	Color
Hex	A48EFF
RGB	164, 142, 255
RGB Percent	64%, 56%, 100%
CMY	0.3572, 0.4430, 0.0001
CMYK	0.36, 0.44, 0.00, 0.00
HSL	252°, 100%, 78%
HSV	252°, 44%, 100%
XYZ	43.0158, 34.4585, 98.9645
YIQ	161.4600, -23.1610, 39.8070

Conversions

Conversions Part 2

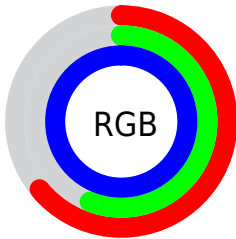
Format	Color
RYB	164, 142, 255
Decimal	10784511
CIELab	65.32, 33.35, -53.52
CIELCh	65, 63.056, 301.926
Yxy	34.4585, 0.2438, 0.1953
Android (android.graphics.Color)	4288974591 (0xFFA48EFF)
YUV	161.4600, 46.1152, 2.2276
Hunter-Lab	58.7014, 28.0757, -58.8660

Details

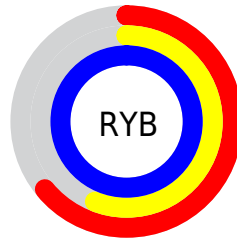
The Yxy color **34.4585, 0.2438, 0.1953** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.7927, 0.3636, 0.4445**, and the grayscale version is **35.6527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2295, 0.2912, 0.2669**, and **14.7475, 0.2233, 0.1637** is the 20% darker color. If you saturate the color by 10%, you get **25.7064, 0.2246, 0.1616**, and if you desaturate by 10%, it is **45.3017, 0.2622, 0.2291**.

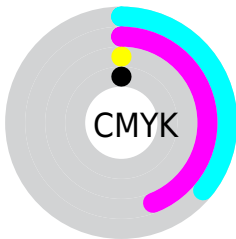
Distribution



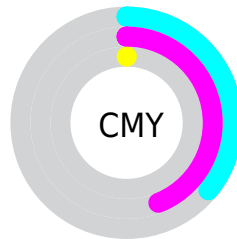
- Red (64%)
- Green (56%)
- Blue (100%)



- 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 34.4585, 0.2438, 0.1953 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 34.4585, 0.2438, 0.1953 by changing the saturation by 10% instead.

 34.4585, 0.2438,
0.1953


 34.4585, 0.2438,
0.1953


322.1717, 0.2797,
0.2578


 23.2461, 0.2348,
0.1814


 66.6460, 0.2570,
0.2168

 14.7753, 0.2234,
0.1645


 88.3899, 0.2619,
0.2252

 8.6618, 0.2084,
0.1439


 114.4131, 0.2660,
0.2325

 4.5213, 0.1885,
0.1185

145.0999, 0.2696,
0.2389

 1.9692, 0.1612,
0.0874

180.8348, 0.2726,
0.2445

 0.5895, 0.1235,
0.0487

222.0021, 0.2753,

 0.0000, 0.0572,

0.2494


0.0000

268.9863, 0.2776,
0.2538

 0.0000, 0.0000,
0.0000

 34.4585, 0.2438,
0.1953


 34.4585, 0.2438,
0.1953


 25.7064, 0.2246,
0.1616


 45.3017, 0.2622,
0.2291


 18.9047, 0.2057,
0.1299


 58.3566, 0.2791,
0.2614

 13.9013, 0.1883,
0.1027

 73.7388, 0.2943,
0.2913

 10.5192, 0.1736,
0.0820

 91.5551, 0.3076,
0.3183

 8.5436, 0.1626,
0.0690

99.9980, 0.3127,
0.3290

■ 7.8809, 0.1581,
0.0644

Harmonies

Analogous

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



34.4585, 0.1832, 0.1893



34.4585, 0.2438, 0.1953



34.4585, 0.3349, 0.2265

Triad

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



34.4585, 0.2438, 0.1953



34.4585, 0.4947, 0.4079



34.4585, 0.1969, 0.3755

Complementary

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



34.4585, 0.2438, 0.1953



90.7927, 0.3636, 0.4445

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.



34.4585, 0.2696, 0.4763



34.4585, 0.2438, 0.1953



34.4585, 0.4413, 0.4728

Square

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



34.4585, 0.2438, 0.1953



34.4585, 0.4955, 0.3404



34.4585, 0.3590, 0.5098



34.4585, 0.1587, 0.2745

Rectangle

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



34.4585, 0.2438, 0.1953



34.4585, 0.4024, 0.2589



34.4585, 0.3590, 0.5098



34.4585, 0.2178, 0.4127

Sweetspot

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



34.4598, 0.2438, 0.1953



75.9215, 0.2961, 0.2950



71.9689, 0.2487, 0.3049



15.4645, 0.2930, 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.



34.4598, 0.2438, 0.1953



26.7311, 0.2271, 0.1658



41.6681, 0.2875, 0.2101



17.5471, 0.3009, 0.3046



4.1669, 0.1592, 0.0650



0.4480, 0.1688, 0.0704

Inverse Universe

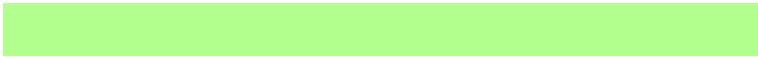
The Inverse Universe completely reimagines the original color for something new.



46.5001, 0.3369, 0.2387



40.3037, 0.3431, 0.2228



82.8955, 0.3269, 0.4596



18.2365, 0.3168, 0.3100



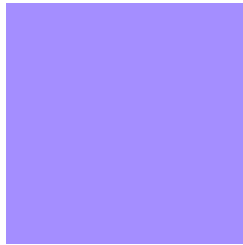
13.4484, 0.3771, 0.1851



1.3242, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 34.4585, 0.2438, 0.1953 looks on a white background.

Color Contrast Check

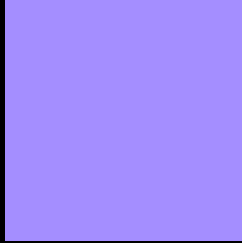
Large Text (above 18pt) WCAG AA × Fail

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 34.4585, 0.2438, 0.1953 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 34.4585, 0.2438, 0.1953

Background



This preview shows how black text looks on a background with the Yxy color 34.4585, 0.2438, 0.1953.



This preview shows how white text looks on a background with the Yxy color 34.4585, 0.2438, 0.1953.

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

34.4585, 0.2438, 0.1953

Protanopia

34.5846, 0.2182, 0.2019

Deuteranopia

34.8255, 0.2145, 0.2089



Tritanopia

34.2697, 0.2888, 0.3096

Trichromacy



Original Color

34.4585, 0.2438, 0.1953

Protanomaly

34.1836, 0.2261, 0.1984

Deuteranomaly

34.3228, 0.2235, 0.2034

Tritanomaly

33.8666, 0.2709, 0.2598

Monochromacy



Original Color

34.4585, 0.2438, 0.1953

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.7327, 0.2848, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4585, 0.2438, 0.1953 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, 142, 255)` looks like.

```
.text, #text, p{  
  color:rgb(164, 142, 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, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 142, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.4585, 0.2438, 0.1953 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, 142, 255) }
```

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

```
.border{ border-color:rgb(164, 142, 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, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 142,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4585, 0.2438, 0.1953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 142, 255) }
```

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

```
.background{ background-color: rgb(164,  
142, 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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