

Converting Colors

$Y_{xy}(34.6939, 0.2390, 0.1974)$

Have a look what the booklet for
Yxy(34.6939, 0.2390, 0.1974)
contains.

Yxy(34.5387, 0.2387, 0.1968)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.5387, 0.2387, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	9C91FF
RGB	156, 145, 255
RGB Percent	61%, 57%, 100%
CMY	0.3881, 0.4314, 0.0000
CMYK	0.39, 0.43, 0.00, 0.00
HSL	246°, 100%, 78%
HSV	246°, 43%, 100%
XYZ	41.8922, 34.5387, 99.0706
YIQ	160.8290, -28.7540, 36.5420

Conversions

Conversions Part 2

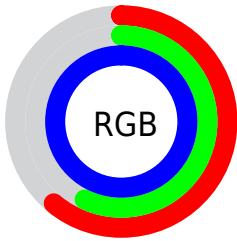
Format	Color
R_{YB}	156, 145, 255
Decimal	10260991
CIE _{Lab}	65.39, 29.70, -53.48
CIE _{LCh}	65, 61.173, 299.048
Yxy	34.5387, 0.2387, 0.1968
Android (android.graphics.Color)	4288451071 (0xFF9C91FF)
YUV	160.8290, 46.4263, -4.2350
Hunter-Lab	58.7696, 24.3916, -58.8091

Details

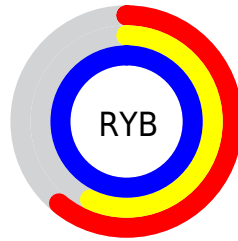
The Yxy color **34.5387, 0.2387, 0.1968** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.7868, 0.3695, 0.4387**, and the grayscale version is **35.3507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3630, 0.2857, 0.2691**, and **14.7353, 0.2165, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **25.5255, 0.2182, 0.1619**, and if you desaturate by 10%, it is **45.7344, 0.2586, 0.2315**.

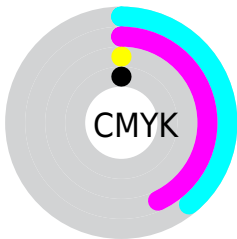
Distribution



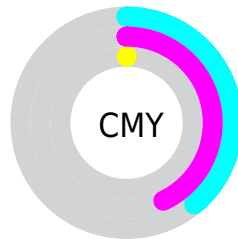
- Red (61%)
- Green (57%)
- Blue (100%)



- Red (61%)
- Yellow (57%)
- Blue (100%)



- Cyan (39%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5387, 0.2387, 0.1968 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 34.5387, 0.2387, 0.1968 by changing the saturation by 10% instead.


 34.5387, 0.2387,
0.1968


 34.5387, 0.2387,
0.1968


322.5275, 0.2769,
0.2589

 23.3077, 0.2292,
0.1829


 66.7705, 0.2526,
0.2182

 14.8209, 0.2172,
0.1661


 88.5402, 0.2579,
0.2266

 8.6938, 0.2016,
0.1454


114.5915, 0.2623,
0.2338

 4.5420, 0.1809,
0.1199

145.3090, 0.2661,
0.2401

 1.9811, 0.1528,
0.0886

181.0769, 0.2693,
0.2457

 0.5965, 0.1146,
0.0497

222.2797, 0.2722,

 0.0000, 0.0431,

0.2506


0.0000

269.3017, 0.2747,
0.2549

 0.0000, 0.0000,
0.0000

 34.5387, 0.2387,
0.1968


 34.5387, 0.2387,
0.1968


 25.5255, 0.2182,
0.1619

 45.7344, 0.2586,
0.2315


 18.5493, 0.1983,
0.1290


 59.2398, 0.2772,
0.2643

 13.4511, 0.1805,
0.1008

 75.1755, 0.2938,
0.2944

 10.0469, 0.1663,
0.0794

 93.6529, 0.3085,
0.3212

 8.1151, 0.1567,
0.0663

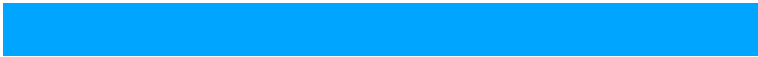
100.0000, 0.3127,
0.3290

■ 7.4348, 0.1527,
0.0615

Harmonies

Analogous

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



34.5387, 0.1824, 0.1936



34.5387, 0.2387, 0.1968



34.5387, 0.3251, 0.2251

Triad

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



34.5387, 0.2387, 0.1968



34.5387, 0.4925, 0.4005



34.5387, 0.2057, 0.3846

Complementary

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



34.5387, 0.2387, 0.1968



92.7868, 0.3695, 0.4387

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.



34.5387, 0.2793, 0.4778



34.5387, 0.2387, 0.1968



34.5387, 0.4451, 0.4642

Square

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



34.5387, 0.2387, 0.1968



34.5387, 0.4868, 0.3346



34.5387, 0.3668, 0.5033



34.5387, 0.1646, 0.2844

Rectangle

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



34.5387, 0.2387, 0.1968



34.5387, 0.3906, 0.2558



34.5387, 0.3668, 0.5033



34.5387, 0.2272, 0.4200

Sweetspot

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



34.5396, 0.2387, 0.1968



75.4197, 0.2941, 0.2948



77.9393, 0.2519, 0.3163



15.3424, 0.2906, 0.2884



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.



34.5396, 0.2387, 0.1968



26.4490, 0.2205, 0.1658



41.3153, 0.2807, 0.2108



17.4651, 0.2994, 0.3045



3.9133, 0.1533, 0.0618



0.4087, 0.1598, 0.0654

Inverse Universe

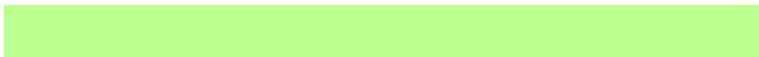
The Inverse Universe completely reimagines the original color for something new.



48.0353, 0.3270, 0.2321



41.6686, 0.3306, 0.2145



84.3819, 0.3325, 0.4536



18.2670, 0.3153, 0.3079



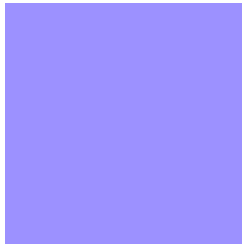
14.0884, 0.3480, 0.1691



1.3805, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 34.5387, 0.2387, 0.1968 looks on a white background.

Color Contrast Check

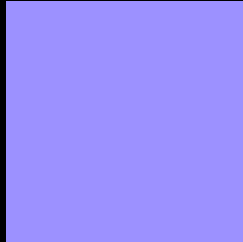
Large Text (above 18pt) WCAG AA × Fail

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 34.5387, 0.2387, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

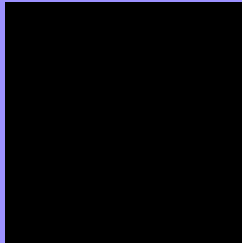
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5387, 0.2387, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 34.5387, 0.2387, 0.1968.



This preview shows how white text looks on a background with the Yxy color 34.5387, 0.2387, 0.1968.

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

34.5387, 0.2387, 0.1968

Protanopia

34.5846, 0.2182, 0.2019

Deuteranopia

34.8887, 0.2141, 0.2080



Tritanopia

34.6473, 0.2790, 0.3093

Trichromacy



Original Color

34.5387, 0.2387, 0.1968

Protanomaly

34.2588, 0.2245, 0.1991

Deuteranomaly

34.4881, 0.2216, 0.2032

Tritanomaly

34.1140, 0.2626, 0.2603

Monochromacy



Original Color

34.5387, 0.2387, 0.1968

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.7537, 0.2823, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5387, 0.2387, 0.1968 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(156, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 145, 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(156, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.5387, 0.2387, 0.1968 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(156, 145, 255) }
```

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

```
.border{ border-color:rgb(156, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5387, 0.2387, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 145, 255) }
```

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

```
.background{ background-color: rgb(156,  
145, 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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