

Converting Colors

$Y_{xy}(33.4934, 0.2256, 0.1957)$

Have a look what the booklet for
Yxy(33.4934, 0.2256, 0.1957)
contains.

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Color

Yxy(33.5507, 0.2256, 0.1959)

Conversions

Conversions Part 1

Format	Color
Hex	8794FF
RGB	135, 148, 255
RGB Percent	53%, 58%, 100%
CMY	0.4705, 0.4196, 0.0000
CMYK	0.47, 0.42, 0.00, 0.00
HSL	234°, 100%, 76%
HSV	234°, 47%, 100%
XYZ	38.6373, 33.5507, 99.0765
YIQ	156.3110, -42.0950, 30.5210

Conversions

Conversions Part 2

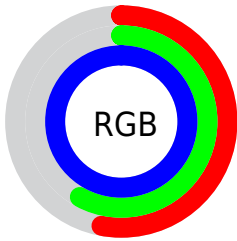
Format	Color
RYB	135, 147, 255
Decimal	8885503
CIELab	64.60, 22.96, -54.83
CIElCh	65, 59.445, 292.718
Yxy	33.5507, 0.2256, 0.1959
Android (android.graphics.Color)	4287075583 (0xFF8794FF)
YUV	156.3110, 48.6537, -18.6897
Hunter-Lab	57.9230, 17.7024, -60.8687

Details

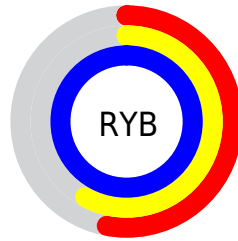
The Yxy color **33.5507, 0.2256, 0.1959** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.5279, 0.3879, 0.4338**, and the grayscale version is **33.1842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7985, 0.2717, 0.2701**, and **14.3491, 0.2012, 0.1646** is the 20% darker color. If you saturate the color by 10%, you get **25.2347, 0.2053, 0.1630**, and if you desaturate by 10%, it is **43.7724, 0.2463, 0.2286**.

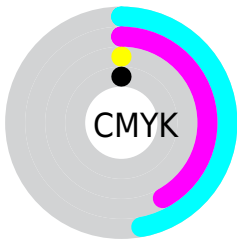
Distribution



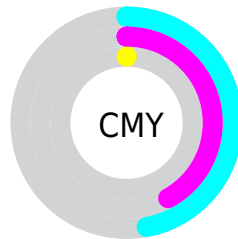
- Red (53%)
- Green (58%)
- Blue (100%)



- Red (53%)
- Yellow (58%)
- Blue (100%)



- Cyan (47%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5507, 0.2256, 0.1959 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 33.5507, 0.2256, 0.1959 by changing the saturation by 10% instead.


 33.5507, 0.2256,
0.1959


 33.5507, 0.2256,
0.1959


318.1240, 0.2700,
0.2590

 22.5486, 0.2148,
0.1817


 65.2344, 0.2416,
0.2178

 14.2606, 0.2012,
0.1644


 86.6848, 0.2477,
0.2263

 8.3021, 0.1837,
0.1432


 112.3867, 0.2529,
0.2337

 4.2889, 0.1609,
0.1170

142.7247, 0.2573,
0.2401

 1.8364, 0.1307,
0.0850

178.0830, 0.2611,
0.2457

 0.5097, 0.0914,
0.0439

218.8460, 0.2644,

 0.0000, 0.0000,

0.2507

0.0000

265.3982, 0.2674,
0.2551

■ 33.5507, 0.2256,
0.1959

■ 33.5507, 0.2256,
0.1959

■ 25.2347, 0.2053,
0.1630

■ 43.7724, 0.2463,
0.2286

■ 18.7085, 0.1866,
0.1317

■ 56.0120, 0.2663,
0.2595

■ 13.8382, 0.1710,
0.1044

■ 70.3690, 0.2849,
0.2877

■ 10.4722, 0.1596,
0.0830

■ 86.9372, 0.3018,
0.3130

■ 8.4287, 0.1530,
0.0689

100.0000, 0.3127,
0.3290

■ 8.0307, 0.1517,
0.0660

Harmonies

Analogous

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



33.5507, 0.1767, 0.1986



33.5507, 0.2256, 0.1959



33.5507, 0.3052, 0.2189

Triad

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



33.5507, 0.2256, 0.1959



33.5507, 0.4933, 0.3861



33.5507, 0.2207, 0.4056

Complementary

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



33.5507, 0.2256, 0.1959



86.5279, 0.3879, 0.4338

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.



33.5507, 0.2981, 0.4865



33.5507, 0.2256, 0.1959



33.5507, 0.4563, 0.4502

Square

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



33.5507, 0.2256, 0.1959



33.5507, 0.4746, 0.3217



33.5507, 0.3841, 0.4961



33.5507, 0.1726, 0.3039

Rectangle

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



33.5507, 0.2256, 0.1959



33.5507, 0.3690, 0.2466



33.5507, 0.3841, 0.4961



33.5507, 0.2440, 0.4384

Sweetspot

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



33.5496, 0.2256, 0.1959



75.1881, 0.2903, 0.2958



83.0232, 0.2561, 0.3450



15.3597, 0.2865, 0.2901



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.



33.5496, 0.2256, 0.1959



26.0236, 0.2074, 0.1664



34.3772, 0.2557, 0.1921



17.6938, 0.2979, 0.3071



4.2974, 0.1521, 0.0674



0.5170, 0.1559, 0.0812

Inverse Universe

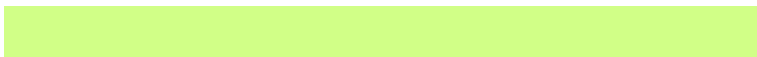
The Inverse Universe completely reimagines the original color for something new.



40.7302, 0.4285, 0.3159



34.4417, 0.4645, 0.3142



86.8259, 0.3507, 0.4583



18.0190, 0.3277, 0.3265



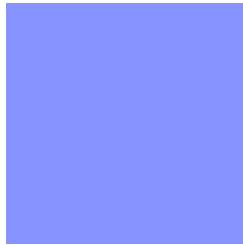
11.1618, 0.6276, 0.3231



1.0967, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 33.5507, 0.2256, 0.1959 looks on a white background.

Color Contrast Check

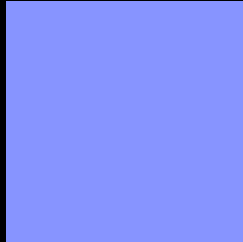
Large Text (above 18pt) WCAG AA × Fail

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 33.5507, 0.2256, 0.1959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

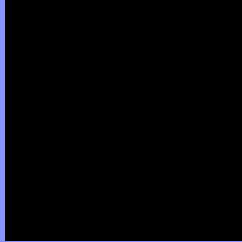
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5507, 0.2256, 0.1959

Background



This preview shows how black text looks on a background with the Yxy color 33.5507, 0.2256, 0.1959.



This preview shows how white text looks on a background with the Yxy color 33.5507, 0.2256, 0.1959.

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

33.5507, 0.2256, 0.1959

Protanopia

33.6473, 0.2156, 0.1987

Deuteranopia

33.8025, 0.2095, 0.2033



Tritanopia

33.6353, 0.2595, 0.3084

Trichromacy



Original Color

33.5507, 0.2256, 0.1959

Protanomaly

33.4908, 0.2188, 0.1973

Deuteranomaly

33.6465, 0.2143, 0.2003

Tritanomaly

33.3175, 0.2457, 0.2605

Monochromacy



Original Color

33.5507, 0.2256, 0.1959

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.8841, 0.2749, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5507, 0.2256, 0.1959 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(135, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 148, 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(135, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.5507, 0.2256, 0.1959 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(135, 148, 255) }
```

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

```
.border{ border-color:rgb(135, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5507, 0.2256, 0.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 148, 255) }
```

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

```
.background{ background-color: rgb(135,  
148, 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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