

Converting Colors

$Y_{xy}(32.7139, 0.2237, 0.1929)$

Have a look what the booklet for
Yxy(32.7139, 0.2237, 0.1929)
contains.

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Color

Yxy(32.7643, 0.2239, 0.1931)

Conversions

Conversions Part 1

Format	Color
Hex	8592FF
RGB	133, 146, 255
RGB Percent	52%, 57%, 100%
CMY	0.4787, 0.4273, 0.0000
CMYK	0.48, 0.43, 0.00, 0.00
HSL	234°, 100%, 76%
HSV	234°, 48%, 100%
XYZ	37.9903, 32.7643, 98.9207
YIQ	154.5390, -42.7370, 31.1430

Conversions

Conversions Part 2

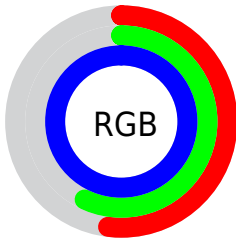
Format	Color
RYB	133, 145, 255
Decimal	8753919
CIELab	63.97, 23.61, -55.83
CIELCh	64, 60.615, 292.929
Yxy	32.7643, 0.2239, 0.1931
Android (android.graphics.Color)	4286943999 (0xFF8592FF)
YUV	154.5390, 49.5273, -18.8897
Hunter-Lab	57.2401, 18.3004, -62.3952

Details

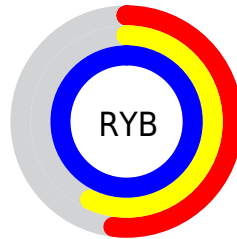
The Yxy color **32.7643, 0.2239, 0.1931** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.3839, 0.3892, 0.4356**, and the grayscale version is **32.3515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6049, 0.2702, 0.2676**, and **13.8594, 0.1987, 0.1608** is the 20% darker color. If you saturate the color by 10%, you get **24.6033, 0.2037, 0.1602**, and if you desaturate by 10%, it is **42.8281, 0.2446, 0.2259**.

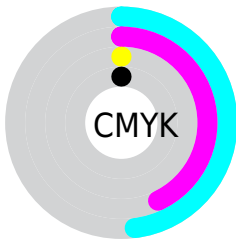
Distribution



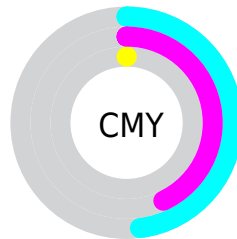
- Red (52%)
- Green (57%)
- Blue (100%)



- Red (52%)
- Yellow (57%)
- Blue (100%)



- Cyan (48%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7643, 0.2239, 0.1931 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 32.7643, 0.2239, 0.1931 by changing the saturation by 10% instead.


 32.7643, 0.2239,
0.1931


 32.7643, 0.2239,
0.1931


314.5863, 0.2693,
0.2576


 21.9459, 0.2128,
0.1786


 64.0074, 0.2403,
0.2154

 13.8172, 0.1989,
0.1610


 85.2009, 0.2465,
0.2242

 7.9936, 0.1811,
0.1394


 110.6215, 0.2518,
0.2317

 4.0909, 0.1578,
0.1129

140.6538, 0.2563,
0.2382

 1.7245, 0.1271,
0.0808

175.6820, 0.2602,
0.2439

 0.4395, 0.0876,
0.0384

216.0906, 0.2636,

 0.0000, 0.0000,

0.2490

0.0000

262.2639, 0.2666,
0.2535

■ 32.7643, 0.2239,
0.1931

■ 32.7643, 0.2239,
0.1931

■ 24.6033, 0.2037,
0.1602

■ 42.8281, 0.2446,
0.2259

■ 18.2212, 0.1852,
0.1291

■ 54.9010, 0.2647,
0.2570

■ 13.4848, 0.1699,
0.1022

■ 69.0857, 0.2834,
0.2855

■ 10.2402, 0.1589,
0.0814

■ 85.4767, 0.3005,
0.3110

■ 8.2994, 0.1526,
0.0679

■ 99.9994, 0.3127,
0.3290

■ 8.0208, 0.1517,
0.0659

Harmonies

Analogous

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



32.7643, 0.1740, 0.1955



32.7643, 0.2239, 0.1931



32.7643, 0.3055, 0.2168

Triad

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



32.7643, 0.2239, 0.1931



32.7643, 0.4977, 0.3870



32.7643, 0.2177, 0.4072

Complementary

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



32.7643, 0.2239, 0.1931



86.3839, 0.3892, 0.4356

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.



32.7643, 0.2966, 0.4911



32.7643, 0.2239, 0.1931



32.7643, 0.4589, 0.4528

Square

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



32.7643, 0.2239, 0.1931



32.7643, 0.4793, 0.3215



32.7643, 0.3845, 0.5006



32.7643, 0.1691, 0.3022

Rectangle

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



32.7643, 0.2239, 0.1931



32.7643, 0.3711, 0.2450



32.7643, 0.3845, 0.5006



32.7643, 0.2414, 0.4412

Sweetspot

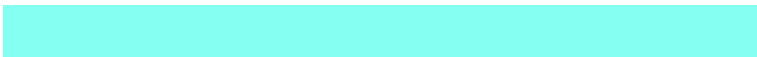
The Sweet Spot groups the original color and five complimentary colors.



32.7654, 0.2239, 0.1931



75.1733, 0.2903, 0.2957



82.8296, 0.2554, 0.3453



15.3561, 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.



32.7654, 0.2239, 0.1931



25.2450, 0.2054, 0.1630



33.6413, 0.2545, 0.1895



17.6915, 0.2979, 0.3071



4.2920, 0.1521, 0.0673



0.5159, 0.1558, 0.0810

Inverse Universe

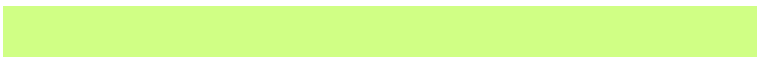
The Inverse Universe completely reimagines the original color for something new.



40.0873, 0.4317, 0.3158



33.8237, 0.4690, 0.3141



86.6434, 0.3512, 0.4606



18.0188, 0.3277, 0.3265



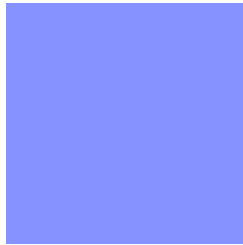
11.1612, 0.6277, 0.3231



1.0966, 0.6053, 0.3108

Previews

White Background



This preview shows how the Yxy color 32.7643, 0.2239, 0.1931 looks on a white background.

Color Contrast Check

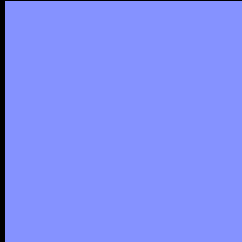
Large Text (above 18pt) WCAG AA × Fail

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 32.7643, 0.2239, 0.1931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

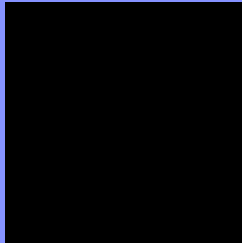
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7643, 0.2239, 0.1931

Background



This preview shows how black text looks on a background with the Yxy color 32.7643, 0.2239, 0.1931.



This preview shows how white text looks on a background with the Yxy color 32.7643, 0.2239, 0.1931.

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

32.7643, 0.2239, 0.1931

Protanopia

32.7980, 0.2135, 0.1956

Deuteranopia

32.8617, 0.2067, 0.2000



Tritanopia

32.6440, 0.2583, 0.3081

Trichromacy



Original Color

32.7643, 0.2239, 0.1931

Protanomaly

32.7080, 0.2172, 0.1944

Deuteranomaly

32.8004, 0.2122, 0.1972

Tritanomaly

32.3733, 0.2438, 0.2583

Monochromacy



Original Color

32.7643, 0.2239, 0.1931

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.4211, 0.2747, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7643, 0.2239, 0.1931 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(133, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 146, 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(133, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.7643, 0.2239, 0.1931 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(133, 146, 255) }
```

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

```
.border{ border-color:rgb(133, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7643, 0.2239, 0.1931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 146, 255) }
```

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

```
.background{ background-color: rgb(133,  
146, 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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